Data sheet 3RH2911-1BA01



auxiliary switch, on the front, 1 NC, 71/72, current path: 1 NC, cable entry from below, screw terminal, for contactors 3RT2 and contactor relays 3RH2

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	for snapping onto the front
product type designation	3RH29
suitability for use	for 3RT2.1, 3RT2.2, 3RT2.3, 3RT2.4, 3RH2
General technical data	
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP20
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000
Substance Prohibitance (Date)	10/01/2009
Weight	51.3 g
number of NC contacts for auxiliary contacts	
 instantaneous contact 	1
lagging switching	0
number of NO contacts for auxiliary contacts	
 instantaneous contact 	0
leading contact	0
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	1 A
operational current of auxiliary contacts at AC-12	
• at 24 V	10 A
• at 230 V	10 A
operational current of auxiliary contacts at AC-14	
• at 125 V	6 A
• at 250 V	6 A
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
• at 24 V	6 A
• at 230 V	6 A
• at 400 V	3 A
operational current of auxiliary contacts at DC-12	
• at 24 V	10 A
• at 110 V	3 A
• at 220 V	1 A
operational current with 2 current paths in series at DC-12	
• at 24 V rated value	10 A

 at 60 V rated value 	10 A
at 110 V rated value	4 A
at 220 V rated value	2 A
at 440 V rated value	1.3 A
at 600 V rated value	0.65 A
operational current with 3 current paths in series at DC-12	
at 24 V rated value	10 A
at 60 V rated value	10 A
at 110 V rated value	10 A
at 220 V rated value	3.6 A
at 440 V rated value	2.5 A
at 600 V rated value	1.8 A
operational current with 2 current paths in series at DC-13	
at 24 V rated value	10 A
at 60 V rated value	3.5 A
at 110 V rated value	1.3 A
at 220 V rated value	0.9 A
• at 440 V rated value	0.2 A
• at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13	V.17.
at 24 V rated value	10 A
at 60 V rated value	4.7 A
at 60 V rated value at 110 V rated value	4.7 A 3 A
at 220 V rated value	1.2 A
• at 440 V rated value	0.5 A
at 600 V rated value	0.26 A
operational current of auxiliary contacts at DC-13	
• at 24 V	6 A
• at 48 V	2 A
• at 60 V	2 A
● at 110 V	1 A
● at 125 V	0.9 A
● at 220 V	0.3 A
● at 250 V	0.3 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Ambient conditions	
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
Safety related data	
product function	
 mirror contact according to IEC 60947-4-1 	Yes; with 3RT2
 positively driven operation according to IEC 60947-5-1 	Yes
Installation/ mounting/ dimensions	
fastening method	snap-on mounting
height	27.5 mm
width	23.6 mm
depth	38.6 mm
Connections/ Terminals	
type of electrical connection for auxiliary and control circuit	screw-type terminals
connectable conductor cross-section for auxiliary contacts	
 solid or stranded 	0.5 2.5 mm²
finely stranded with core end processing	0.5 2.5 mm ²
type of connectable conductor cross-sections	
for auxiliary contacts	
— solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
for AWG cables for auxiliary contacts	2x (20 16), 2x (18 14)
AWG number as coded connectable conductor cross section for auxiliary contacts	20 14
Approvals Certificates	
THE PARTY OF THE P	

General Product Approval







Confirmation





EMV

Functional Saftey

Test Certificates

Marine / Shipping



Type Examination Certificate

Special Test Certific-<u>ate</u>

Type Test Certificates/Test Report





Marine / Shipping











Miscellaneous

other

other

Railway

Environment

Confirmation



Special Test Certific-<u>ate</u>

Type Test Certificates/Test Report

Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2911-1BA01

Cax online generator

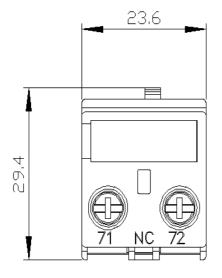
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-1BA01

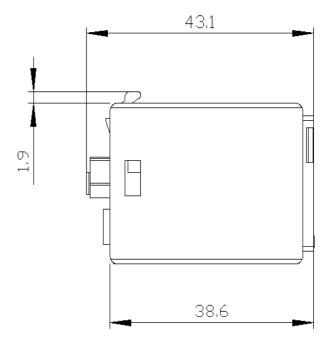
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

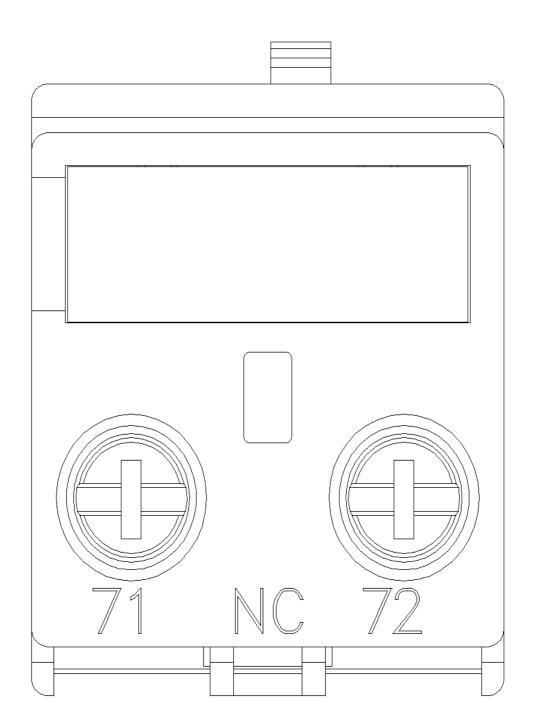
https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-1BA01

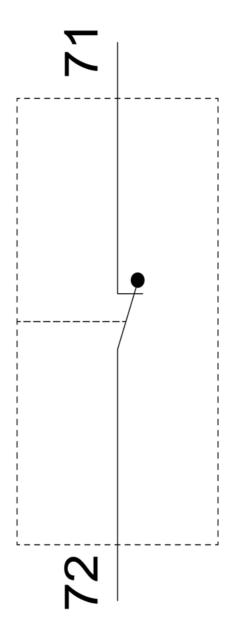
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-1BA01&lang=en









Data sheet 3RH2911-1DA11



auxiliary switch, lateral, 1 NO + 1 NC, on the left: 41/42, 53/54, on the right: 21/22, 33/34, current path: 1 NC, 1 NO, screw terminal, for contactors 3RT2.1

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	first laterally mountable
product type designation	3RH29
suitability for use	for 3RT2.1
General technical data	
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP20
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000
Substance Prohibitance (Date)	10/01/2009
Weight	40 g
number of NC contacts for auxiliary contacts	
 instantaneous contact 	1
lagging switching	0
number of NO contacts for auxiliary contacts	
instantaneous contact	1
leading contact	0
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	1 A
operational current of auxiliary contacts at AC-12	
• at 24 V	10 A
● at 230 V	10 A
operational current of auxiliary contacts at AC-14	
• at 125 V	6 A
● at 250 V	6 A
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
● at 24 V	6 A
● at 230 V	6 A
• at 400 V	3 A
operational current of auxiliary contacts at DC-12	
● at 24 V	10 A
• at 110 V	3 A
• at 220 V	1 A
operational current with 2 current paths in series at DC-12	
at 24 V rated value	10 A

at 60 V rated value	10 A
 at 110 V rated value 	4 A
at 220 V rated value	2 A
at 440 V rated value	1.3 A
at 600 V rated value	0.65 A
operational current with 3 current paths in series at DC-12	
at 24 V rated value	10 A
at 60 V rated value	10 A
at 110 V rated value	10 A
at 220 V rated value	3.6 A
at 440 V rated value	2.5 A
• at 600 V rated value	1.8 A
operational current with 2 current paths in series at DC-13	1.0 A
	10.0
• at 24 V rated value	10 A
• at 60 V rated value	3.5 A
• at 110 V rated value	1.3 A
at 220 V rated value	0.9 A
at 440 V rated value	0.2 A
at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13	
at 24 V rated value	10 A
at 60 V rated value	4.7 A
• at 110 V rated value	3 A
at 220 V rated value	1.2 A
• at 440 V rated value	0.5 A
at 600 V rated value	0.26 A
operational current of auxiliary contacts at DC-13	
● at 24 V	6 A
• at 48 V	2 A
● at 60 V	2 A
• at 110 V	1 A
	0.0 A
● at 125 V	0.9 A
at 125 Vat 220 V	0.9 A 0.3 A
• at 220 V	0.3 A
• at 220 V • at 250 V	0.3 A 0.3 A
at 220 V at 250 V contact reliability of auxiliary contacts	0.3 A
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions	0.3 A 0.3 A
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA)
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C
 at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage 	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA)
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature addring operation during storage Environmental footprint	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD)	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature aduring operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature aduring operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature aduring operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg 0.03 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg 0.03 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg 0.03 kg Yes; with 3RT2
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg 0.03 kg Yes; with 3RT2
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg 0.03 kg Yes; with 3RT2 No
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature aduring operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg 0.03 kg Yes; with 3RT2 No snap-on mounting
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature aduring operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg 0.03 kg Yes; with 3RT2 No snap-on mounting 57.4 mm
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function amirror contact according to IEC 60947-4-1 appositively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg 0.03 kg Yes; with 3RT2 No snap-on mounting 57.4 mm 10 mm
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function a mirror contact according to IEC 60947-4-1 b positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg 0.03 kg Yes; with 3RT2 No snap-on mounting 57.4 mm 10 mm
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature aduring operation during storage Environmental Footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg 0.03 kg Yes; with 3RT2 No snap-on mounting 57.4 mm 10 mm 66 mm
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature aduring operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function amirror contact according to IEC 60947-4-1 apositively driven operation according to IEC 60947-5-1 Installation/mounting/dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg 0.03 kg Yes; with 3RT2 No snap-on mounting 57.4 mm 10 mm 66 mm
 at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental Froduct Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts solid or stranded 	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg 0.03 kg Yes; with 3RT2 No snap-on mounting 57.4 mm 10 mm 66 mm screw-type terminals 0.5 2.5 mm²
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental Footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function amirror contact according to IEC 60947-4-1 apositively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg 0.03 kg Yes; with 3RT2 No snap-on mounting 57.4 mm 10 mm 66 mm screw-type terminals

- for auxiliary contacts
 - solid or stranded
 - finely stranded with core end processing
- for AWG cables for auxiliary contacts

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (20 ... 16), 2x (18 ... 14)

20 ... 14

Approvals Certificates

General Product Approval





Confirmation





<u>KC</u>

General Product Approval

EMV

Functional Saftey

Test Certificates

Marine / Shipping





Type Examination Certificate

Special Test Certificate

Type Test Certificates/Test Report



Marine / Shipping













other

Railway

Environment

Miscellaneous

Confirmation

Type Test Certificates/Test Report

Special Test Certificate



Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2911-1DA11

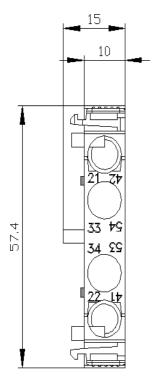
Cax online generator

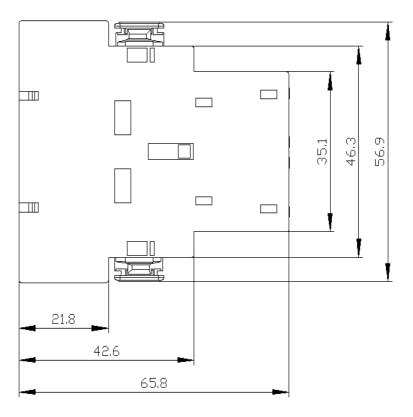
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-1DA11

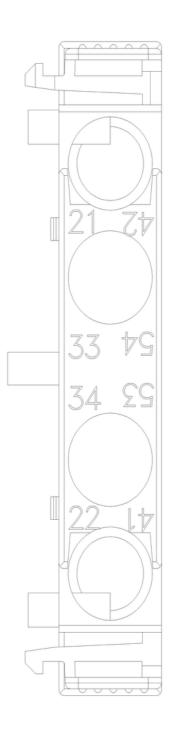
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-1DA11

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-1DA11&lang=en

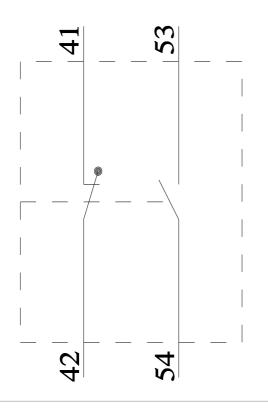


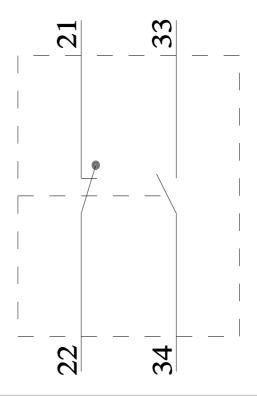




Links / left

Rechts / right





Data sheet 3RH2911-1FA04



auxiliary switch, on the front, 4 NC, .1/.2, .1/.2, .1/.2, .1/.2, current path: 1 NC, 1 NC, 1 NC, 1 NC, screw terminal, for contactors 3RT2 and contactor relays 3RH2

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	for snapping onto the front
product type designation	3RH29
suitability for use	for 3RT2.1, 3RT2.2, 3RT2.3, 3RT2.4, 3RH2
General technical data	
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP20
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000
Substance Prohibitance (Date)	10/01/2009
Weight	0.052 kg
number of NC contacts for auxiliary contacts	
 instantaneous contact 	4
lagging switching	0
number of NO contacts for auxiliary contacts	
 instantaneous contact 	0
leading contact	0
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	1 A
operational current of auxiliary contacts at AC-12	
• at 24 V	10 A
• at 230 V	10 A
operational current of auxiliary contacts at AC-14	
• at 125 V	6 A
• at 250 V	6 A
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
• at 24 V	6 A
• at 230 V	6 A
• at 400 V	3 A
operational current of auxiliary contacts at DC-12	
• at 24 V	10 A
• at 110 V	3 A
• at 220 V	1 A
operational current with 2 current paths in series at DC-12	
at 24 V rated value	10 A

 at 60 V rated value 	10 A
 at 110 V rated value 	4 A
• at 220 V rated value	2 A
at 440 V rated value	1.3 A
at 600 V rated value	0.65 A
operational current with 3 current paths in series at DC-12	
at 24 V rated value	10 A
at 60 V rated value	10 A
at 110 V rated value	10 A
at 220 V rated value	3.6 A
at 440 V rated value	2.5 A
at 600 V rated value	1.8 A
operational current with 2 current paths in series at DC-13	1.071
• at 24 V rated value	10 A
• at 60 V rated value	3.5 A
at 110 V rated value	1.3 A
at 220 V rated value	
	0.9 A
at 440 V rated value at 600 V rated value	0.2 A
• at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13	40 A
at 24 V rated value	10 A
• at 60 V rated value	4.7 A
at 110 V rated value	3 A
at 220 V rated value	1.2 A
at 440 V rated value	0.5 A
at 600 V rated value	0.26 A
operational current of auxiliary contacts at DC-13	
• at 24 V	6 A
● at 48 V	2 A
● at 60 V	2 A
● at 110 V	1 A
● at 125 V	0.9 A
● at 220 V	0.3 A
● at 250 V	0.3 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Ambient conditions	
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
Environmental footprint	
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	0.92 kg
Global Warming Potential [CO2 eq] during manufacturing	0.34 kg
Global Warming Potential [CO2 eq] during operation	0.562 kg
Global Warming Potential [CO2 eq] after end of life	0.017 kg
Safety related data	
product function	
mirror contact according to IEC 60947-4-1	Yes; with 3RT2
 minor contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 	Yes
Installation/ mounting/ dimensions	100
-	
factoning method	coop on mounting
fastening method	snap-on mounting
height	37.5 mm
height width	37.5 mm 36 mm
height width depth	37.5 mm
height width depth Connections/ Terminals	37.5 mm 36 mm 43.7 mm
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit	37.5 mm 36 mm
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts	37.5 mm 36 mm 43.7 mm screw-type terminals
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded	37.5 mm 36 mm 43.7 mm screw-type terminals 0.5 2.5 mm ²
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing	37.5 mm 36 mm 43.7 mm screw-type terminals
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded	37.5 mm 36 mm 43.7 mm screw-type terminals 0.5 2.5 mm ²

- for auxiliary contacts
 - solid or stranded
 - finely stranded with core end processing
- for AWG cables for auxiliary contacts

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (20 ... 16), 2x (18 ... 14)

20 ... 14

Approvals Certificates

General Product Approval







Confirmation



<u>KC</u>

General Product Approval

EMV

Functional Saftey

Test Certificates

Marine / Shipping





Type Examination Certificate

Special Test Certificate

Type Test Certificates/Test Report



Marine / Shipping



Miscellaneous



Confirmation



ates/Test Report



ate





other

Railway

Type Test Certific- Special Test Certific-



Environment

Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2911-1FA04

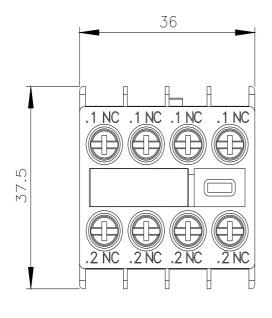
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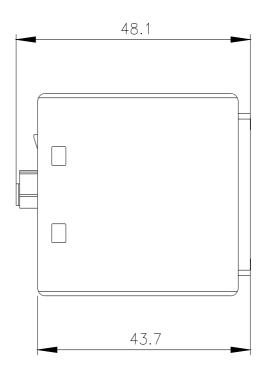
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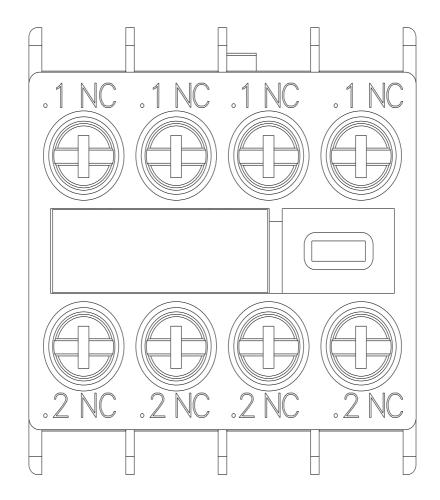
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-1FA04

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

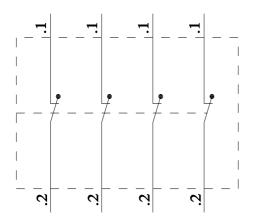
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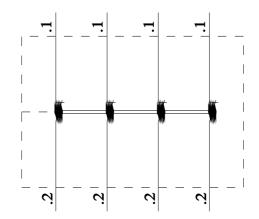






3RT2 3RH2





Data sheet 3RH2911-1FA22



auxiliary switch, on the front, 2 NO + 2 NC, .3/.4, .1/.2, .1/.2, .3/.4, current path: 1 NO, 1 NC, 1 NO, screw terminal, for contactors 3RT2 and contactor relays 3RH2

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	for snapping onto the front
product type designation	3RH29
suitability for use	for 3RT2.1, 3RT2.2, 3RT2.3, 3RT2.4, 3RH2
General technical data	
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP20
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000
Substance Prohibitance (Date)	10/01/2009
Weight	0.057 kg
number of NC contacts for auxiliary contacts	
 instantaneous contact 	2
lagging switching	0
number of NO contacts for auxiliary contacts	
• instantaneous contact	2
leading contact	0
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	1 A
operational current of auxiliary contacts at AC-12	
• at 24 V	10 A
• at 230 V	10 A
operational current of auxiliary contacts at AC-14	
• at 125 V	6 A
• at 250 V	6 A
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
• at 24 V	6 A
• at 230 V	6 A
• at 400 V	3 A
operational current of auxiliary contacts at DC-12	
• at 24 V	10 A
• at 110 V	3 A
• at 220 V	1 A
operational current with 2 current paths in series at DC-12	
at 24 V rated value	10 A

 at 60 V rated value 	10 A
 at 110 V rated value 	4 A
• at 220 V rated value	2 A
at 440 V rated value	1.3 A
at 600 V rated value	0.65 A
operational current with 3 current paths in series at DC-12	
at 24 V rated value	10 A
at 60 V rated value	10 A
at 110 V rated value	10 A
at 220 V rated value	3.6 A
at 440 V rated value	2.5 A
at 600 V rated value	1.8 A
operational current with 2 current paths in series at DC-13	1.071
• at 24 V rated value	10 A
• at 60 V rated value	3.5 A
at 110 V rated value	1.3 A
at 220 V rated value	
	0.9 A
at 440 V rated value at 600 V rated value	0.2 A
• at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13	40 A
at 24 V rated value	10 A
at 60 V rated value	4.7 A
at 110 V rated value	3 A
at 220 V rated value	1.2 A
at 440 V rated value	0.5 A
at 600 V rated value	0.26 A
operational current of auxiliary contacts at DC-13	
• at 24 V	6 A
● at 48 V	2 A
● at 60 V	2 A
● at 110 V	1 A
● at 125 V	0.9 A
● at 220 V	0.3 A
● at 250 V	0.3 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Ambient conditions	
ambient temperature	
 during operation 	-25 +60 °C
during storage	-55 +80 °C
Environmental footprint	
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	0.92 kg
Global Warming Potential [CO2 eq] during manufacturing	0.34 kg
Global Warming Potential [CO2 eq] during operation	0.562 kg
Global Warming Potential [CO2 eq] after end of life	0.017 kg
Safety related data	
product function	
mirror contact according to IEC 60947-4-1	Yes; with 3RT2
 minor contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 	Yes
Installation/ mounting/ dimensions	100
-	
factoning method	coop on mounting
fastening method	snap-on mounting
height	37.5 mm
height width	37.5 mm 36 mm
height width depth	37.5 mm
height width depth Connections/ Terminals	37.5 mm 36 mm 43.7 mm
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit	37.5 mm 36 mm
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts	37.5 mm 36 mm 43.7 mm screw-type terminals
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded	37.5 mm 36 mm 43.7 mm screw-type terminals 0.5 2.5 mm ²
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing	37.5 mm 36 mm 43.7 mm screw-type terminals
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded	37.5 mm 36 mm 43.7 mm screw-type terminals 0.5 2.5 mm ²

- for auxiliary contacts
 - solid or stranded
 - finely stranded with core end processing
- for AWG cables for auxiliary contacts

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (20 ... 16), 2x (18 ... 14)

20 ... 14

Approvals Certificates

General Product Approval







Confirmation



<u>KC</u>

General Product Approval

EMV

Functional Saftey

Test Certificates

Marine / Shipping





Type Examination Certificate

Special Test Certificate

Type Test Certificates/Test Report



Marine / Shipping













other

Railway

Environment

Miscellaneous

Confirmation

Type Test Certificates/Test Report

Special Test Certificate



Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2911-1FA22

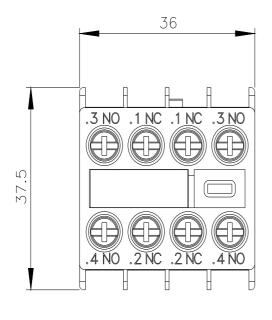
Cax online generator

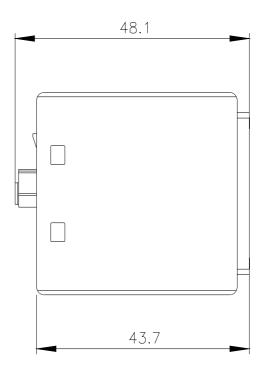
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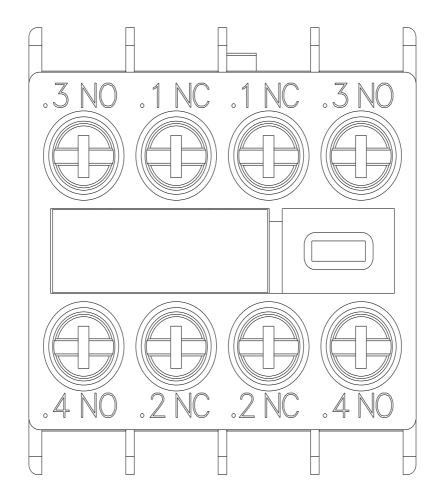
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-1FA22

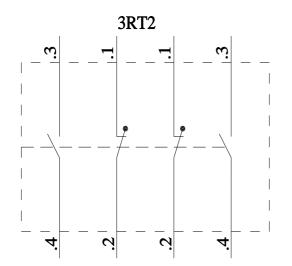
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

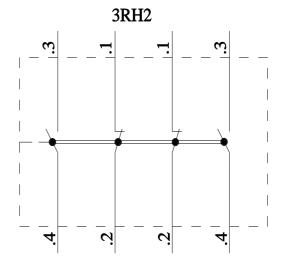
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-1FA22&lang=en











Data sheet 3RH2911-1FA40



auxiliary switch, on the front, 4 NO, .3/.4, .3/.4, .3/.4, .3/.4, current path: 1 NO, 1 NO, 1 NO, 1 NO, screw terminal, for contactors 3RT2 and contactor relays 3RH2

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	for snapping onto the front
product type designation	3RH29
suitability for use	for 3RT2.1, 3RT2.2, 3RT2.3, 3RT2.4, 3RH2
General technical data	
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP20
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000
Substance Prohibitance (Date)	10/01/2009
Weight	0.052 kg
number of NC contacts for auxiliary contacts	
• instantaneous contact	0
 lagging switching 	0
number of NO contacts for auxiliary contacts	
 instantaneous contact 	4
leading contact	0
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	1 A
operational current of auxiliary contacts at AC-12	
• at 24 V	10 A
• at 230 V	10 A
operational current of auxiliary contacts at AC-14	
• at 125 V	6 A
• at 250 V	6 A
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
• at 24 V	6 A
• at 230 V	6 A
• at 400 V	3 A
operational current of auxiliary contacts at DC-12	
• at 24 V	10 A
• at 110 V	3 A
• at 220 V	1 A
operational current with 2 current paths in series at DC-12	
at 24 V rated value	10 A

 at 60 V rated value 	10 A
 at 110 V rated value 	4 A
• at 220 V rated value	2 A
at 440 V rated value	1.3 A
at 600 V rated value	0.65 A
operational current with 3 current paths in series at DC-12	
at 24 V rated value	10 A
at 60 V rated value	10 A
at 110 V rated value	10 A
at 220 V rated value	3.6 A
at 440 V rated value	2.5 A
at 600 V rated value	1.8 A
operational current with 2 current paths in series at DC-13	1.071
• at 24 V rated value	10 A
• at 60 V rated value	3.5 A
at 110 V rated value	1.3 A
at 220 V rated value	
	0.9 A
at 440 V rated value at 600 V rated value	0.2 A
• at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13	40 A
at 24 V rated value	10 A
at 60 V rated value	4.7 A
at 110 V rated value	3 A
at 220 V rated value	1.2 A
at 440 V rated value	0.5 A
at 600 V rated value	0.26 A
operational current of auxiliary contacts at DC-13	
• at 24 V	6 A
● at 48 V	2 A
● at 60 V	2 A
● at 110 V	1 A
● at 125 V	0.9 A
● at 220 V	0.3 A
● at 250 V	0.3 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Ambient conditions	
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
Environmental footprint	
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	0.92 kg
Global Warming Potential [CO2 eq] during manufacturing	0.34 kg
Global Warming Potential [CO2 eq] during operation	0.562 kg
Global Warming Potential [CO2 eq] after end of life	0.017 kg
Safety related data	
product function	
mirror contact according to IEC 60947-4-1	Yes; with 3RT2
 minor contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 	Yes
Installation/ mounting/ dimensions	100
-	
factoning method	coop on mounting
fastening method	snap-on mounting
height	37.5 mm
height width	37.5 mm 36 mm
height width depth	37.5 mm
height width depth Connections/ Terminals	37.5 mm 36 mm 43.7 mm
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit	37.5 mm 36 mm
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts	37.5 mm 36 mm 43.7 mm screw-type terminals
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded	37.5 mm 36 mm 43.7 mm screw-type terminals 0.5 2.5 mm ²
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing	37.5 mm 36 mm 43.7 mm screw-type terminals
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded	37.5 mm 36 mm 43.7 mm screw-type terminals 0.5 2.5 mm ²

- for auxiliary contacts
 - solid or stranded
 - finely stranded with core end processing
- for AWG cables for auxiliary contacts

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (20 ... 16), 2x (18 ... 14)

20 ... 14

Approvals Certificates

General Product Approval







Confirmation



<u>KC</u>

General Product Approval

EMV

Functional Saftey

Test Certificates

Marine / Shipping





Type Examination Certificate

Special Test Certificate

Type Test Certificates/Test Report



Marine / Shipping



Miscellaneous



Confirmation



ates/Test Report







other

Railway

Type Test Certific-

Special Test Certificate



Environment

Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2911-1FA40

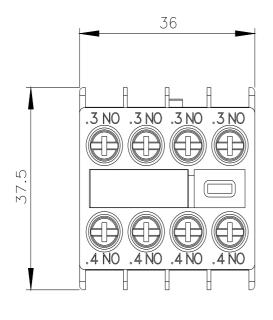
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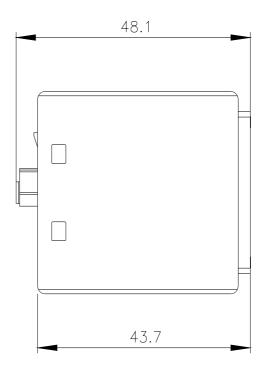
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-1FA40

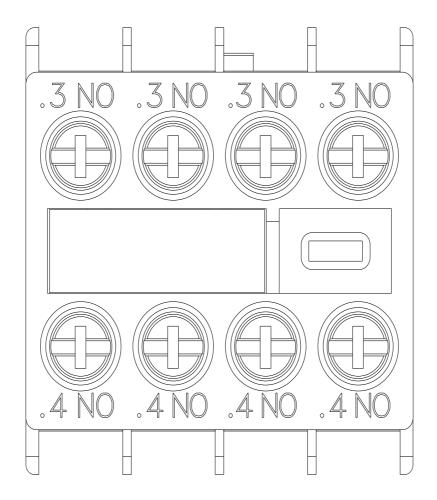
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-1FA40

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

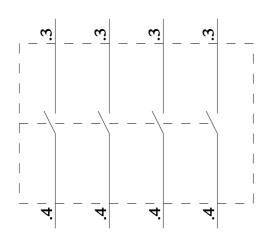
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-1FA40&lang=en

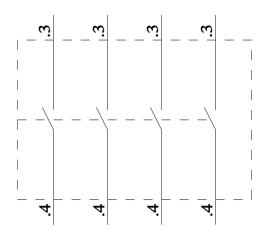






3RT2 3RH2





Data sheet 3RH2911-1GA31

0101110



auxiliary switch, on the front, 3 NO + 1 NC, 53/54, 61/62, 73/74, 83/84, current path: 1 NO, 1 NC, 1 NO, 1 NO, screw terminal, physically coded, only with contactor relays 3RH2140 and 3RH2440 combinable (according to EN 50011)

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	Can be snapped onto front of 3RH2140/3RH2440 auxiliary switch
product type designation	3RH29
suitability for use	for 3RH2
General technical data	
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP20
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000
Substance Prohibitance (Date)	10/01/2009
Weight	0.058 kg
number of NC contacts for auxiliary contacts	
 instantaneous contact 	1
lagging switching	0
number of NO contacts for auxiliary contacts	
instantaneous contact	3
leading contact	0
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	1 A
operational current of auxiliary contacts at AC-12	
• at 24 V	10 A
• at 230 V	10 A
operational current of auxiliary contacts at AC-14	
● at 125 V	6 A
• at 250 V	6 A
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
• at 24 V	6 A
• at 230 V	6 A
• at 400 V	3 A
operational current of auxiliary contacts at DC-12	
• at 24 V	10 A
• at 110 V	3 A
• at 220 V	1 A
operational current with 2 current paths in series at DC-12	
at 24 V rated value	10 A

 at 60 V rated value 	10 A
 at 110 V rated value 	4 A
• at 220 V rated value	2 A
at 440 V rated value	1.3 A
at 600 V rated value	0.65 A
operational current with 3 current paths in series at DC-12	
at 24 V rated value	10 A
at 60 V rated value	10 A
at 110 V rated value	10 A
at 220 V rated value	3.6 A
at 440 V rated value	2.5 A
at 600 V rated value	1.8 A
operational current with 2 current paths in series at DC-13	1.071
• at 24 V rated value	10 A
• at 60 V rated value	3.5 A
at 110 V rated value at 110 V rated value	1.3 A
at 220 V rated value	0.9 A
at 440 V rated value at 600 V rated value	0.2 A
• at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13	40.4
at 24 V rated value	10 A
at 60 V rated value	4.7 A
at 110 V rated value	3 A
at 220 V rated value	1.2 A
 at 440 V rated value 	0.5 A
at 600 V rated value	0.26 A
operational current of auxiliary contacts at DC-13	
• at 24 V	6 A
● at 48 V	2 A
● at 60 V	2 A
● at 110 V	1 A
● at 125 V	0.9 A
● at 220 V	0.3 A
● at 250 V	0.3 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Ambient conditions	
ambient temperature	
 during operation 	-25 +60 °C
during storage	-55 +80 °C
Environmental footprint	
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	0.92 kg
Global Warming Potential [CO2 eq] during manufacturing	0.34 kg
Global Warming Potential [CO2 eq] during operation	0.562 kg
Global Warming Potential [CO2 eq] after end of life	0.017 kg
Safety related data	
product function	
mirror contact according to IEC 60947-4-1	No
-	110
 nositively driven operation according to IEC 60047 5.1 	Yes
positively driven operation according to IEC 60947-5-1 Installation/mounting/dimensions	Yes
Installation/ mounting/ dimensions	
Installation/ mounting/ dimensions fastening method	snap-on mounting
Installation/ mounting/ dimensions fastening method height	snap-on mounting 37.5 mm
Installation/ mounting/ dimensions fastening method height width	snap-on mounting 37.5 mm 36 mm
Installation/ mounting/ dimensions fastening method height width depth	snap-on mounting 37.5 mm
Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals	snap-on mounting 37.5 mm 36 mm 43.7 mm
Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit	snap-on mounting 37.5 mm 36 mm
Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts	snap-on mounting 37.5 mm 36 mm 43.7 mm screw-type terminals
Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded	snap-on mounting 37.5 mm 36 mm 43.7 mm screw-type terminals 0.5 2.5 mm²
Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing	snap-on mounting 37.5 mm 36 mm 43.7 mm screw-type terminals
Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded	snap-on mounting 37.5 mm 36 mm 43.7 mm screw-type terminals 0.5 2.5 mm²

- for auxiliary contacts
 - solid or stranded
 - finely stranded with core end processing
- for AWG cables for auxiliary contacts

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (20 ... 16), 2x (18 ... 14)

20 ... 14

Approvals Certificates

General Product Approval







Confirmation



<u>KC</u>

General Product Approval

EMV

Functional Saftey

Test Certificates

Marine / Shipping





Type Examination Certificate

Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping













other

Railway

Environment

Miscellaneous

Confirmation

Type Test Certificates/Test Report

Special Test Certificate



Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2911-1GA31

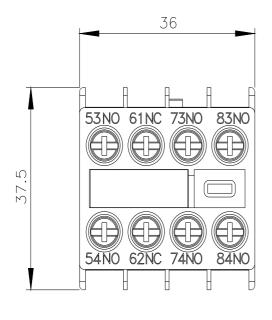
Cax online generator

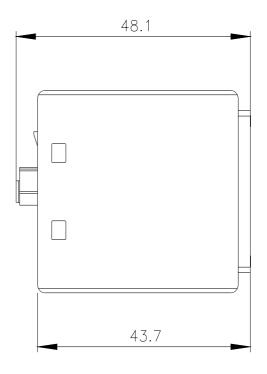
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-1GA31

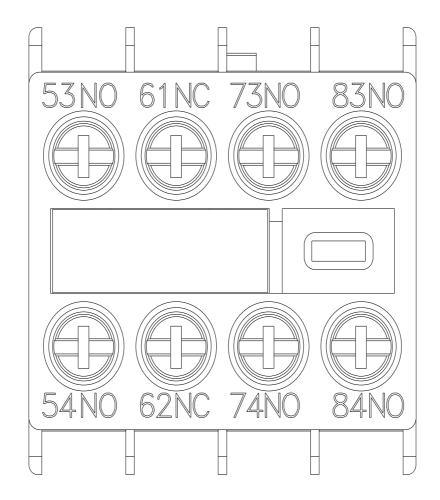
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-1GA31

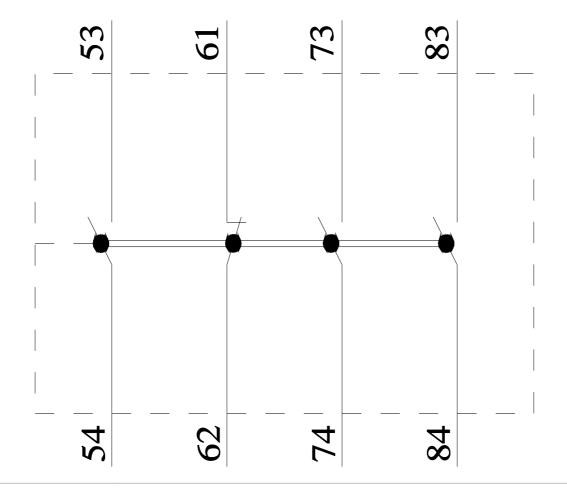
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-1GA31&lang=en









Data sheet 3RH2911-1HA10



auxiliary switch, on the front, 1 NO, .3/.4, --/--, --/--, current path: 1 NO, --, --, --, screw terminal, for contactors 3RT2 and contactor relays 3RH2

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	for snapping onto the front
product type designation	3RH29
suitability for use	for 3RT2.1, 3RT2.2, 3RT2.3, 3RT2.4, 3RH2
General technical data	
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP20
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000
Substance Prohibitance (Date)	10/01/2009
Weight	0.04 kg
number of NC contacts for auxiliary contacts	
• instantaneous contact	0
 lagging switching 	0
number of NO contacts for auxiliary contacts	
 instantaneous contact 	1
leading contact	0
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	1 A
operational current of auxiliary contacts at AC-12	
• at 24 V	10 A
• at 230 V	10 A
operational current of auxiliary contacts at AC-14	
• at 125 V	6 A
• at 250 V	6 A
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
• at 24 V	6 A
• at 230 V	6 A
• at 400 V	3 A
operational current of auxiliary contacts at DC-12	
• at 24 V	10 A
• at 110 V	3 A
• at 220 V	1 A
operational current with 2 current paths in series at DC-12	
at 24 V rated value	10 A

 at 60 V rated value 	10 A
 at 110 V rated value 	4 A
• at 220 V rated value	2 A
at 440 V rated value	1.3 A
at 600 V rated value	0.65 A
operational current with 3 current paths in series at DC-12	
at 24 V rated value	10 A
at 60 V rated value	10 A
at 110 V rated value	10 A
at 220 V rated value	3.6 A
at 440 V rated value	2.5 A
at 600 V rated value	1.8 A
operational current with 2 current paths in series at DC-13	1.071
• at 24 V rated value	10 A
• at 60 V rated value	3.5 A
at 110 V rated value at 110 V rated value	1.3 A
at 220 V rated value	
	0.9 A
at 440 V rated value at 600 V rated value	0.2 A
• at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13	40 A
at 24 V rated value	10 A
at 60 V rated value	4.7 A
at 110 V rated value	3 A
at 220 V rated value	1.2 A
at 440 V rated value	0.5 A
at 600 V rated value	0.26 A
operational current of auxiliary contacts at DC-13	
• at 24 V	6 A
● at 48 V	2 A
● at 60 V	2 A
● at 110 V	1 A
● at 125 V	0.9 A
● at 220 V	0.3 A
● at 250 V	0.3 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Ambient conditions	
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
Environmental footprint	
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	0.92 kg
Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing	0.92 kg 0.34 kg
Global Warming Potential [CO2 eq] during manufacturing	0.34 kg
Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation	0.34 kg 0.562 kg
Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life	0.34 kg
Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data	0.34 kg 0.562 kg
Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function	0.34 kg 0.562 kg 0.017 kg
Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function • mirror contact according to IEC 60947-4-1	0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2
Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1	0.34 kg 0.562 kg 0.017 kg
Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions	0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes
Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method	0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting
Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height	0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 37.5 mm
Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width	0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 37.5 mm 36 mm
Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth	0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 37.5 mm
Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals	0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 37.5 mm 36 mm 43.7 mm
Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function	0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 37.5 mm 36 mm
Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals	0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 37.5 mm 36 mm 43.7 mm
Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function	0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 37.5 mm 36 mm 43.7 mm
Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts	0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 37.5 mm 36 mm 43.7 mm
Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded	0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 37.5 mm 36 mm 43.7 mm screw-type terminals 0.5 2.5 mm²

- for auxiliary contacts
 - solid or stranded
 - finely stranded with core end processing
- for AWG cables for auxiliary contacts

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (20 ... 16), 2x (18 ... 14)

20 ... 14

Approvals Certificates

General Product Approval







Confirmation



<u>KC</u>

General Product Approval

EMV

Functional Saftey

Test Certificates

Marine / Shipping





Type Examination Certificate

Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping













other

Railway

Environment

Miscellaneous

Confirmation

Type Test Certificates/Test Report

Special Test Certificate



Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2911-1HA10

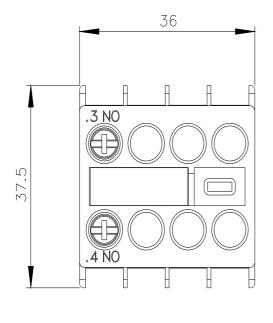
Cax online generator

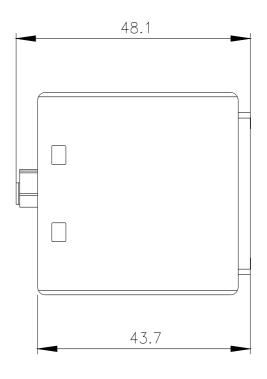
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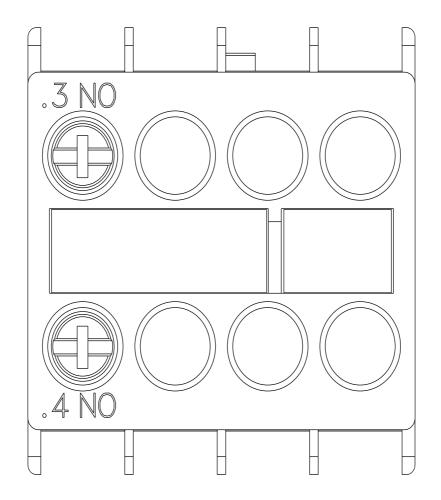
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-1HA10

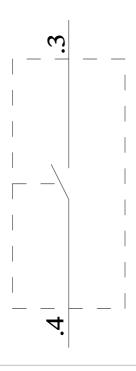
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

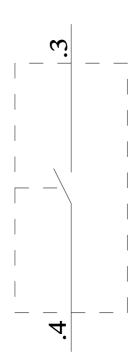
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-1HA10&lang=en











Data sheet 3RH2911-1HA11



auxiliary switch, on the front, 1 NO + 1 NC, .1/.2, .3/.4, --/--, --/--, current path: 1 NC, 1 NO, --, --, screw terminal, for contactors 3RT2 and contactor relays 3RH2

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	for snapping onto the front
product type designation	3RH29
suitability for use	for 3RT2.1, 3RT2.2, 3RT2.3, 3RT2.4, 3RH2
General technical data	
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP20
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000
Substance Prohibitance (Date)	10/01/2009
Weight	0.047 kg
number of NC contacts for auxiliary contacts	
 instantaneous contact 	1
lagging switching	0
number of NO contacts for auxiliary contacts	
 instantaneous contact 	1
leading contact	0
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	1 A
operational current of auxiliary contacts at AC-12	
• at 24 V	10 A
• at 230 V	10 A
operational current of auxiliary contacts at AC-14	
• at 125 V	6 A
• at 250 V	6 A
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
• at 24 V	6 A
• at 230 V	6 A
• at 400 V	3 A
operational current of auxiliary contacts at DC-12	
• at 24 V	10 A
• at 110 V	3 A
• at 220 V	1 A
operational current with 2 current paths in series at DC-12	
at 24 V rated value	10 A

• at 60 V rated value	10 A
• at 110 V rated value	4 A
• at 220 V rated value	2 A
• at 440 V rated value	1.3 A
at 600 V rated value	0.65 A
operational current with 3 current paths in series at DC-12	
at 24 V rated value	10 A
at 60 V rated value	10 A
at 110 V rated value	10 A
at 220 V rated value	3.6 A
at 440 V rated value	2.5 A
at 600 V rated value	1.8 A
operational current with 2 current paths in series at DC-13	
at 24 V rated value	10 A
at 60 V rated value	3.5 A
at 110 V rated value	1.3 A
at 220 V rated value	0.9 A
at 440 V rated value at 440 V rated value	0.9 A 0.2 A
at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13	V.I.A.
• at 24 V rated value	10 A
	4.7 A
at 60 V rated value at 110 V rated value	
• at 110 V rated value	3.4
at 220 V rated value at 440 V rated value	1.2 A
• at 440 V rated value	0.5 A
at 600 V rated value	0.26 A
operational current of auxiliary contacts at DC-13	
• at 24 V	6 A
• at 48 V	2 A
• at 60 V	2 A
• at 110 V	1 A
• at 125 V	0.9 A
- at 220 \/	0.3 A
• at 220 V	
• at 250 V	0.3 A
● at 250 V contact reliability of auxiliary contacts	0.3 A 1 faulty switching per 100 million (17 V, 1 mA)
at 250 V contact reliability of auxiliary contacts Ambient conditions	
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature	1 faulty switching per 100 million (17 V, 1 mA)
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation	1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature	1 faulty switching per 100 million (17 V, 1 mA)
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation	1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature	1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint	1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD)	1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature	1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature • during operation • during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing	1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation	1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life	1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature • during operation • during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data	1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature • during operation • during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function	1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature • during operation • during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function • mirror contact according to IEC 60947-4-1	1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature • during operation • during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1	1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature	1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature • during operation • during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method	1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature • during operation • during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height	1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 37.5 mm
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature • during operation • during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width	1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 37.5 mm 36 mm
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature	1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 37.5 mm 36 mm 43.7 mm
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature • during operation • during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit	1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 37.5 mm 36 mm
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature • during operation • during storage Environmental Fooduct Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 37.5 mm 36 mm 43.7 mm screw-type terminals
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature • during operation • during storage Environmental Footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded	1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 37.5 mm 36 mm 43.7 mm screw-type terminals 0.5 2.5 mm²
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature • during operation • during storage Environmental Fooduct Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 37.5 mm 36 mm 43.7 mm

- for auxiliary contacts
 - solid or stranded
 - finely stranded with core end processing
- for AWG cables for auxiliary contacts

AWG number as coded connectable conductor cross section for auxiliary contacts

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (20 ... 16), 2x (18 ... 14)

20 ... 14

Approvals Certificates

General Product Approval



Confirmation







<u>KC</u>

General Product Approval

EMV

Functional Saftey

Test Certificates

Marine / Shipping



Type Examination Certificate

Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping



Miscellaneous



Confirmation









other

Railway

Type Test Certificates/Test Report

Special Test Certificate



Environment

Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2911-1HA11

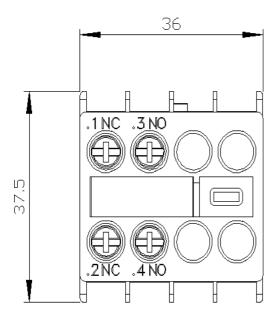
Cax online generator

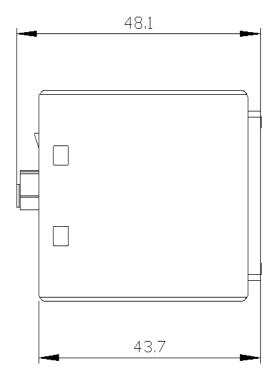
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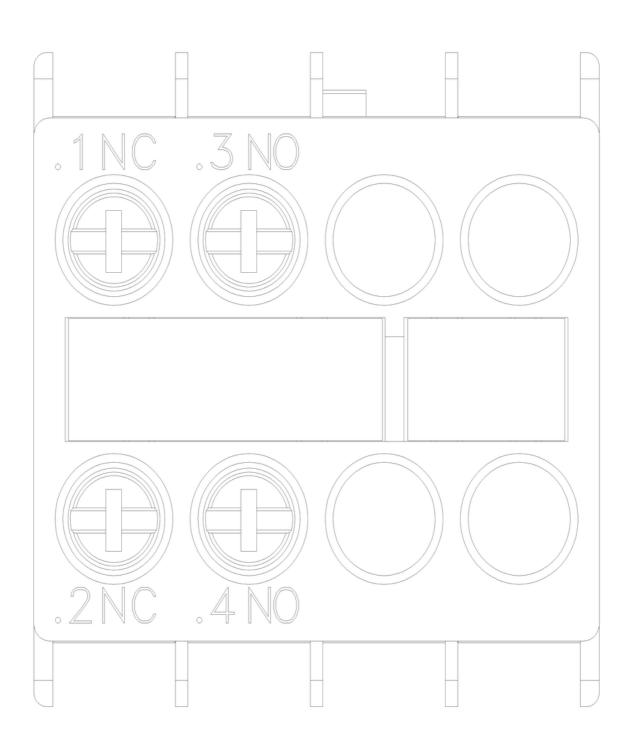
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-1HA11

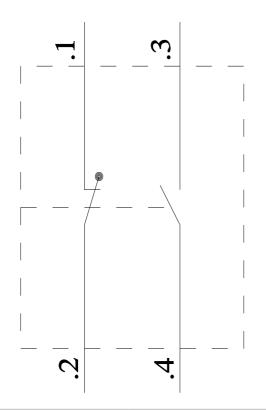
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

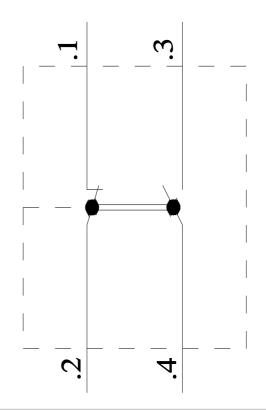
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-1HA11&lang=en











Data sheet 3RH2911-1HA13



auxiliary switch, on the front, 1 NO + 3 NC, .1/.2, .1/.2, .3/.4, current path: 1 NC, 1 NC, 1 NC, 1 NO, screw terminal, for contactors 3RT2 and contactor relays 3RH2

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	for snapping onto the front
product type designation	3RH29
suitability for use	for 3RT2.1, 3RT2.2, 3RT2.3, 3RT2.4, 3RH2
General technical data	
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP20
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000
Substance Prohibitance (Date)	10/01/2009
Weight	0.06 kg
number of NC contacts for auxiliary contacts	
 instantaneous contact 	3
lagging switching	0
number of NO contacts for auxiliary contacts	
• instantaneous contact	1
leading contact	0
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	1 A
operational current of auxiliary contacts at AC-12	
• at 24 V	10 A
• at 230 V	10 A
operational current of auxiliary contacts at AC-14	
• at 125 V	6 A
• at 250 V	6 A
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
● at 24 V	6 A
• at 230 V	6 A
● at 400 V	3 A
operational current of auxiliary contacts at DC-12	
• at 24 V	10 A
• at 110 V	3 A
• at 220 V	1 A
operational current with 2 current paths in series at DC-12	
at 24 V rated value	10 A

 at 60 V rated value 	10 A
 at 110 V rated value 	4 A
• at 220 V rated value	2 A
at 440 V rated value	1.3 A
at 600 V rated value	0.65 A
operational current with 3 current paths in series at DC-12	
at 24 V rated value	10 A
at 60 V rated value	10 A
at 110 V rated value	10 A
at 220 V rated value	3.6 A
at 440 V rated value	2.5 A
at 600 V rated value	1.8 A
operational current with 2 current paths in series at DC-13	1.071
• at 24 V rated value	10 A
• at 60 V rated value	3.5 A
at 110 V rated value at 110 V rated value	1.3 A
at 220 V rated value	
	0.9 A
at 440 V rated value at 600 V rated value	0.2 A
• at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13	40 A
at 24 V rated value	10 A
at 60 V rated value	4.7 A
at 110 V rated value	3 A
at 220 V rated value	1.2 A
at 440 V rated value	0.5 A
at 600 V rated value	0.26 A
operational current of auxiliary contacts at DC-13	
• at 24 V	6 A
● at 48 V	2 A
● at 60 V	2 A
● at 110 V	1 A
● at 125 V	0.9 A
● at 220 V	0.3 A
● at 250 V	0.3 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Ambient conditions	
ambient temperature	
 during operation 	-25 +60 °C
during storage	-55 +80 °C
Environmental footprint	
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	0.92 kg
Global Warming Potential [CO2 eq] during manufacturing	0.34 kg
Global Warming Potential [CO2 eq] during operation	0.562 kg
Global Warming Potential [CO2 eq] after end of life	0.017 kg
Safety related data	
product function	
mirror contact according to IEC 60947-4-1	Yes; with 3RT2
 minor contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 	Yes
Installation/ mounting/ dimensions	100
-	
factoning method	coop on mounting
fastening method	snap-on mounting
height	37.5 mm
height width	37.5 mm 36 mm
height width depth	37.5 mm
height width depth Connections/ Terminals	37.5 mm 36 mm 43.7 mm
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit	37.5 mm 36 mm
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts	37.5 mm 36 mm 43.7 mm screw-type terminals
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded	37.5 mm 36 mm 43.7 mm screw-type terminals 0.5 2.5 mm ²
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing	37.5 mm 36 mm 43.7 mm screw-type terminals
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded	37.5 mm 36 mm 43.7 mm screw-type terminals 0.5 2.5 mm ²

- for auxiliary contacts
 - solid or stranded
 - finely stranded with core end processing
- for AWG cables for auxiliary contacts

AWG number as coded connectable conductor cross section for auxiliary contacts

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (20 ... 16), 2x (18 ... 14)

20 ... 14

Approvals Certificates

General Product Approval







Confirmation



<u>KC</u>

General Product Approval

EMV

Functional Saftey

Test Certificates

Marine / Shipping





Type Examination Certificate

Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping













other

Railway

Environment

Miscellaneous

Confirmation

Type Test Certificates/Test Report

Special Test Certificate



Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2911-1HA13

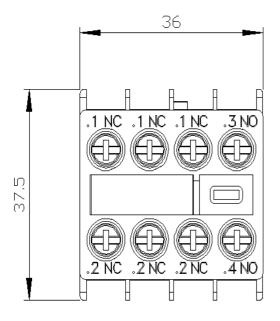
Cax online generator

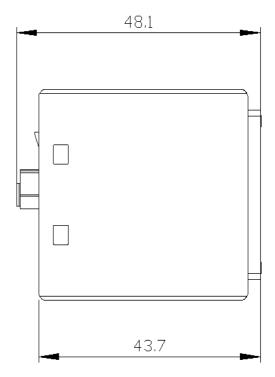
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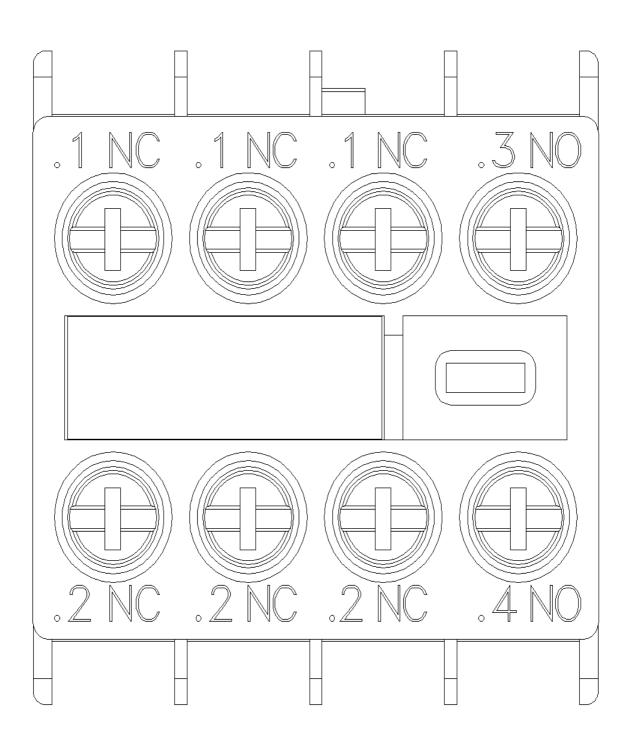
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-1HA13

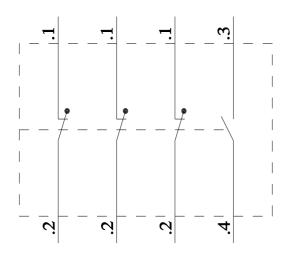
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

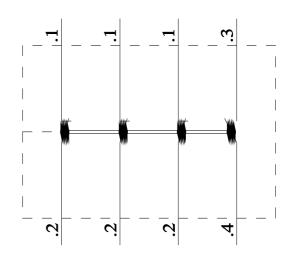
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-1HA13&lang=en











Data sheet 3RH2911-1HA20



auxiliary switch, on the front, 2 NO, .3/.4, .3/.4, .-/--, current path: 1 NO, 1 NO, --, --, screw terminal, for contactors 3RT2 and contactor relays 3RH2

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	for snapping onto the front
product type designation	3RH29
suitability for use	for 3RT2.1, 3RT2.2, 3RT2.3, 3RT2.4, 3RH2
General technical data	
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP20
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000
Substance Prohibitance (Date)	10/01/2009
Weight	0.047 kg
number of NC contacts for auxiliary contacts	
 instantaneous contact 	0
lagging switching	0
number of NO contacts for auxiliary contacts	
 instantaneous contact 	2
leading contact	0
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	1 A
operational current of auxiliary contacts at AC-12	
● at 24 V	10 A
● at 230 V	10 A
operational current of auxiliary contacts at AC-14	
• at 125 V	6 A
• at 250 V	6 A
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
• at 24 V	6 A
• at 230 V	6 A
• at 400 V	3 A
operational current of auxiliary contacts at DC-12	
• at 24 V	10 A
• at 110 V	3 A
• at 220 V	1 A
operational current with 2 current paths in series at DC-12	
at 24 V rated value	10 A

 at 60 V rated value 	10 A
 at 110 V rated value 	4 A
• at 220 V rated value	2 A
at 440 V rated value	1.3 A
at 600 V rated value	0.65 A
operational current with 3 current paths in series at DC-12	
at 24 V rated value	10 A
at 60 V rated value	10 A
at 110 V rated value	10 A
at 220 V rated value	3.6 A
at 440 V rated value	2.5 A
at 600 V rated value	1.8 A
operational current with 2 current paths in series at DC-13	1.071
• at 24 V rated value	10 A
• at 60 V rated value	3.5 A
at 110 V rated value at 110 V rated value	1.3 A
at 220 V rated value	
	0.9 A
at 440 V rated value at 600 V rated value	0.2 A
• at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13	40 A
at 24 V rated value	10 A
at 60 V rated value	4.7 A
at 110 V rated value	3 A
at 220 V rated value	1.2 A
at 440 V rated value	0.5 A
at 600 V rated value	0.26 A
operational current of auxiliary contacts at DC-13	
• at 24 V	6 A
● at 48 V	2 A
● at 60 V	2 A
● at 110 V	1 A
● at 125 V	0.9 A
● at 220 V	0.3 A
● at 250 V	0.3 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Ambient conditions	
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
Environmental footprint	
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	0.92 kg
Global Warming Potential [CO2 eq] during manufacturing	0.34 kg
Global Warming Potential [CO2 eq] during operation	0.562 kg
Global Warming Potential [CO2 eq] after end of life	0.017 kg
Safety related data	
product function	
mirror contact according to IEC 60947-4-1	Yes; with 3RT2
 minor contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 	Yes
Installation/ mounting/ dimensions	100
-	
factoning method	coop on mounting
fastening method	snap-on mounting
height	37.5 mm
height width	37.5 mm 36 mm
height width depth	37.5 mm
height width depth Connections/ Terminals	37.5 mm 36 mm 43.7 mm
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit	37.5 mm 36 mm
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts	37.5 mm 36 mm 43.7 mm screw-type terminals
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded	37.5 mm 36 mm 43.7 mm screw-type terminals 0.5 2.5 mm ²
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing	37.5 mm 36 mm 43.7 mm screw-type terminals
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded	37.5 mm 36 mm 43.7 mm screw-type terminals 0.5 2.5 mm ²

- for auxiliary contacts
 - solid or stranded
 - finely stranded with core end processing
- for AWG cables for auxiliary contacts

AWG number as coded connectable conductor cross section for auxiliary contacts

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (20 ... 16), 2x (18 ... 14)

20 ... 14

Approvals Certificates

General Product Approval







Confirmation



<u>KC</u>

General Product Approval

EMV

Functional Saftey

Test Certificates

Marine / Shipping





Type Examination Certificate

Special Test Certificate

Type Test Certificates/Test Report



Marine / Shipping













other

Railway

Environment

Miscellaneous

Confirmation

Type Test Certificates/Test Report

Special Test Certificate



Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

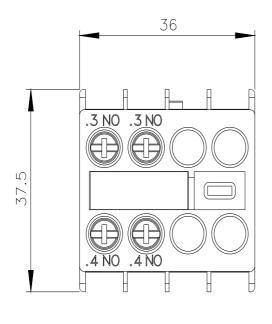
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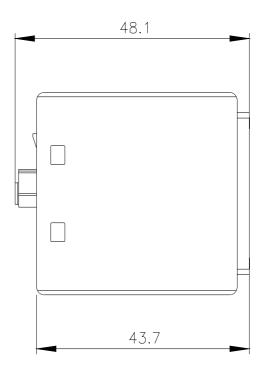
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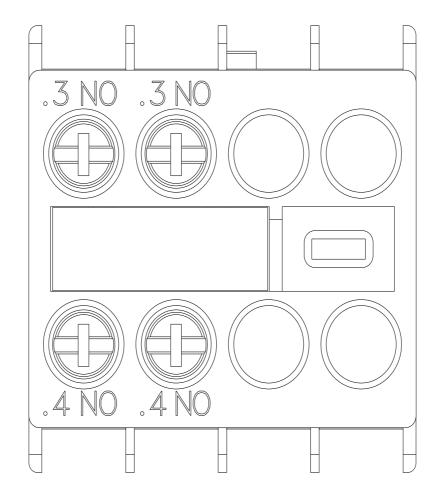
Cax online generator

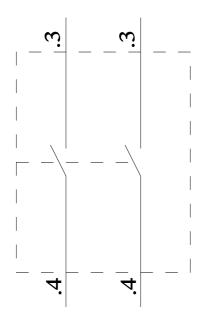
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-1HA20

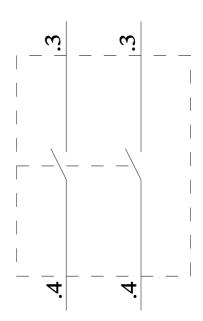
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-1HA20&lang=en











Data sheet 3RH2911-1HA22



auxiliary switch, on the front, 2 NO + 2 NC, .1/.2, .1/.2, .3/.4, .3/.4, current path: 1 NC, 1 NC, 1 NO, 1 NO, screw terminal, for contactors 3RT2 and contactor relays 3RH2

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	for snapping onto the front
product type designation	3RH29
suitability for use	for 3RT2.1, 3RT2.2, 3RT2.3, 3RT2.4, 3RH2
General technical data	
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP20
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000
Substance Prohibitance (Date)	10/01/2009
Weight	0.057 kg
number of NC contacts for auxiliary contacts	
 instantaneous contact 	2
lagging switching	0
number of NO contacts for auxiliary contacts	
 instantaneous contact 	2
leading contact	0
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	1 A
operational current of auxiliary contacts at AC-12	
• at 24 V	10 A
• at 230 V	10 A
operational current of auxiliary contacts at AC-14	
• at 125 V	6 A
• at 250 V	6 A
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
• at 24 V	6 A
• at 230 V	6 A
• at 400 V	3 A
operational current of auxiliary contacts at DC-12	
• at 24 V	10 A
• at 110 V	3 A
• at 220 V	1 A
operational current with 2 current paths in series at DC-12	
at 24 V rated value	10 A

 at 60 V rated value 	10 A
 at 110 V rated value 	4 A
• at 220 V rated value	2 A
at 440 V rated value	1.3 A
at 600 V rated value	0.65 A
operational current with 3 current paths in series at DC-12	
at 24 V rated value	10 A
at 60 V rated value	10 A
at 110 V rated value	10 A
at 220 V rated value	3.6 A
at 440 V rated value	2.5 A
at 600 V rated value	1.8 A
operational current with 2 current paths in series at DC-13	1.071
• at 24 V rated value	10 A
• at 60 V rated value	3.5 A
at 110 V rated value at 110 V rated value	1.3 A
at 220 V rated value	
	0.9 A
at 440 V rated value at 600 V rated value	0.2 A
• at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13	40 A
at 24 V rated value	10 A
• at 60 V rated value	4.7 A
at 110 V rated value	3 A
at 220 V rated value	1.2 A
at 440 V rated value	0.5 A
at 600 V rated value	0.26 A
operational current of auxiliary contacts at DC-13	
• at 24 V	6 A
● at 48 V	2 A
● at 60 V	2 A
● at 110 V	1 A
● at 125 V	0.9 A
● at 220 V	0.3 A
● at 250 V	0.3 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Ambient conditions	
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
Environmental footprint	
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	0.92 kg
Global Warming Potential [CO2 eq] during manufacturing	0.34 kg
Global Warming Potential [CO2 eq] during operation	0.562 kg
Global Warming Potential [CO2 eq] after end of life	0.017 kg
Safety related data	
product function	
mirror contact according to IEC 60947-4-1	Yes; with 3RT2
 minor contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 	Yes
Installation/ mounting/ dimensions	100
-	
factoning method	coop on mounting
fastening method	snap-on mounting
height	37.5 mm
height width	37.5 mm 36 mm
height width depth	37.5 mm
height width depth Connections/ Terminals	37.5 mm 36 mm 43.7 mm
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit	37.5 mm 36 mm
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts	37.5 mm 36 mm 43.7 mm screw-type terminals
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded	37.5 mm 36 mm 43.7 mm screw-type terminals 0.5 2.5 mm ²
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing	37.5 mm 36 mm 43.7 mm screw-type terminals
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded	37.5 mm 36 mm 43.7 mm screw-type terminals 0.5 2.5 mm ²

- for auxiliary contacts
 - solid or stranded
 - finely stranded with core end processing
- for AWG cables for auxiliary contacts

AWG number as coded connectable conductor cross section for auxiliary contacts

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)

2x (20 ... 16), 2x (18 ... 14)

20 ... 14

Approvals Certificates

General Product Approval

Confirmation









<u>KC</u>

General Product Approval

EMV

Functional Saftey

Test Certificates

Marine / Shipping

EAC



Type Examination Certificate

Special Test Certificate

Type Test Certificates/Test Report



Marine / Shipping













other

Railway

...

Environment

Miscellaneous

Confirmation

Special Test Certificate

Type Test Certificates/Test Report



Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2911-1HA22

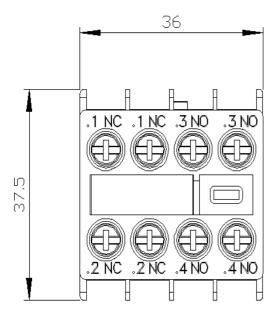
Cax online generator

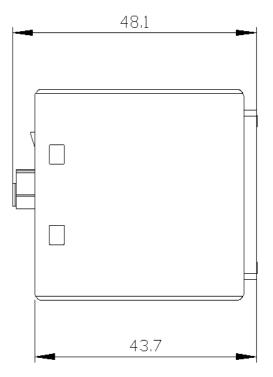
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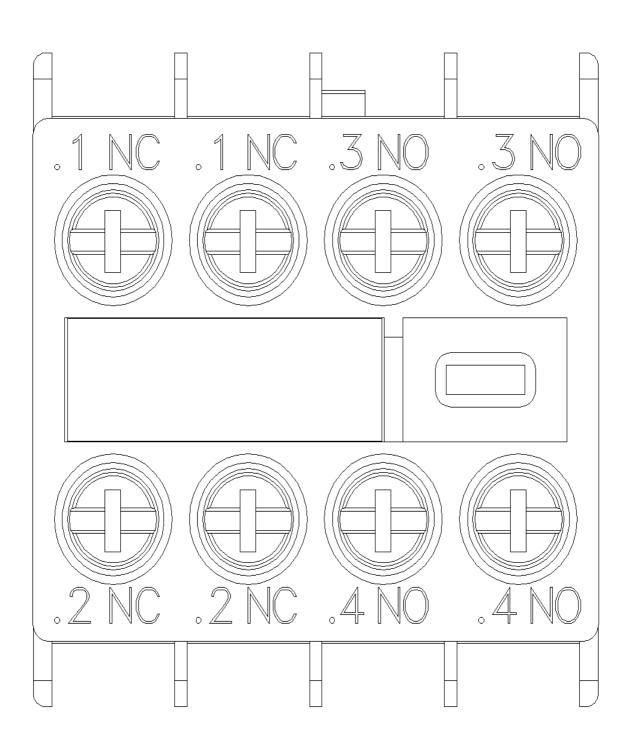
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-1HA22

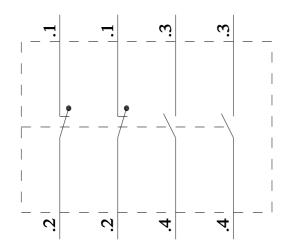
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

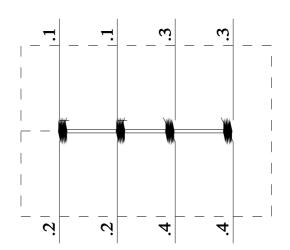
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-1HA22&lang=en











Data sheet 3RH2911-1HA31



auxiliary switch, on the front, 3 NO + 1 NC, .1/.2, .3/.4, .3/.4, .3/.4, current path: 1 NC, 1 NO, 1 NO, 1 NO screw terminal, for contactors 3RT2 and contactor relays 3RH2

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	for snapping onto the front
product type designation	3RH29
suitability for use	for 3RT2.1, 3RT2.2, 3RT2.3, 3RT2.4, 3RH2
General technical data	
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP20
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000
Substance Prohibitance (Date)	10/01/2009
Weight	0.056 kg
number of NC contacts for auxiliary contacts	
 instantaneous contact 	1
lagging switching	0
number of NO contacts for auxiliary contacts	
• instantaneous contact	3
leading contact	0
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	1 A
operational current of auxiliary contacts at AC-12	
• at 24 V	10 A
• at 230 V	10 A
operational current of auxiliary contacts at AC-14	
• at 125 V	6 A
• at 250 V	6 A
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
• at 24 V	6 A
• at 230 V	6 A
● at 400 V	3 A
operational current of auxiliary contacts at DC-12	
• at 24 V	10 A
• at 110 V	3 A
• at 220 V	1 A
operational current with 2 current paths in series at DC-12	
at 24 V rated value	10 A

 at 60 V rated value 	10 A
 at 110 V rated value 	4 A
• at 220 V rated value	2 A
at 440 V rated value	1.3 A
at 600 V rated value	0.65 A
operational current with 3 current paths in series at DC-12	
at 24 V rated value	10 A
at 60 V rated value	10 A
at 110 V rated value	10 A
at 220 V rated value	3.6 A
at 440 V rated value	2.5 A
at 600 V rated value	1.8 A
operational current with 2 current paths in series at DC-13	1.071
• at 24 V rated value	10 A
• at 60 V rated value	3.5 A
at 110 V rated value at 110 V rated value	1.3 A
at 220 V rated value	
	0.9 A
at 440 V rated value at 600 V rated value	0.2 A
• at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13	40 A
at 24 V rated value	10 A
• at 60 V rated value	4.7 A
at 110 V rated value	3 A
at 220 V rated value	1.2 A
at 440 V rated value	0.5 A
at 600 V rated value	0.26 A
operational current of auxiliary contacts at DC-13	
• at 24 V	6 A
● at 48 V	2 A
● at 60 V	2 A
● at 110 V	1 A
● at 125 V	0.9 A
● at 220 V	0.3 A
● at 250 V	0.3 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Ambient conditions	
ambient temperature	
 during operation 	-25 +60 °C
during storage	-55 +80 °C
Environmental footprint	
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	0.92 kg
Global Warming Potential [CO2 eq] during manufacturing	0.34 kg
Global Warming Potential [CO2 eq] during operation	0.562 kg
Global Warming Potential [CO2 eq] after end of life	0.017 kg
Safety related data	
product function	
mirror contact according to IEC 60947-4-1	Yes; with 3RT2
 minor contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 	Yes
Installation/ mounting/ dimensions	100
-	
factoning method	coop on mounting
fastening method	snap-on mounting
height	37.5 mm
height width	37.5 mm 36 mm
height width depth	37.5 mm
height width depth Connections/ Terminals	37.5 mm 36 mm 43.7 mm
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit	37.5 mm 36 mm
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts	37.5 mm 36 mm 43.7 mm screw-type terminals
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded	37.5 mm 36 mm 43.7 mm screw-type terminals 0.5 2.5 mm ²
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing	37.5 mm 36 mm 43.7 mm screw-type terminals
height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts • solid or stranded	37.5 mm 36 mm 43.7 mm screw-type terminals 0.5 2.5 mm ²

- for auxiliary contacts
 - solid or stranded
 - finely stranded with core end processing
- for AWG cables for auxiliary contacts

AWG number as coded connectable conductor cross section for auxiliary contacts

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (20 ... 16), 2x (18 ... 14)

20 ... 14

Approvals Certificates

General Product Approval







Confirmation



<u>KC</u>

General Product Approval

EMV

Functional Saftey

Test Certificates

Marine / Shipping





Type Examination Certificate

Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping



Miscellaneous



Confirmation









other

Railway

Type Test Certificates/Test Report

Special Test Certificate



Environment

Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2911-1HA31

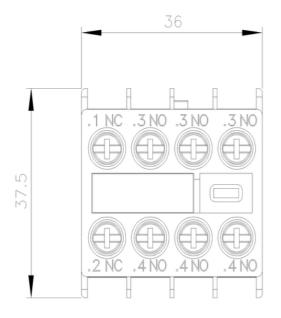
Cax online generator

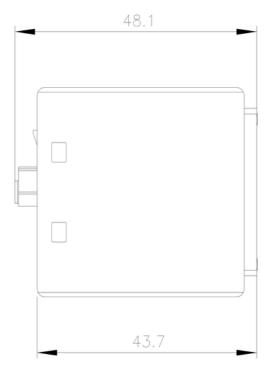
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-1HA31

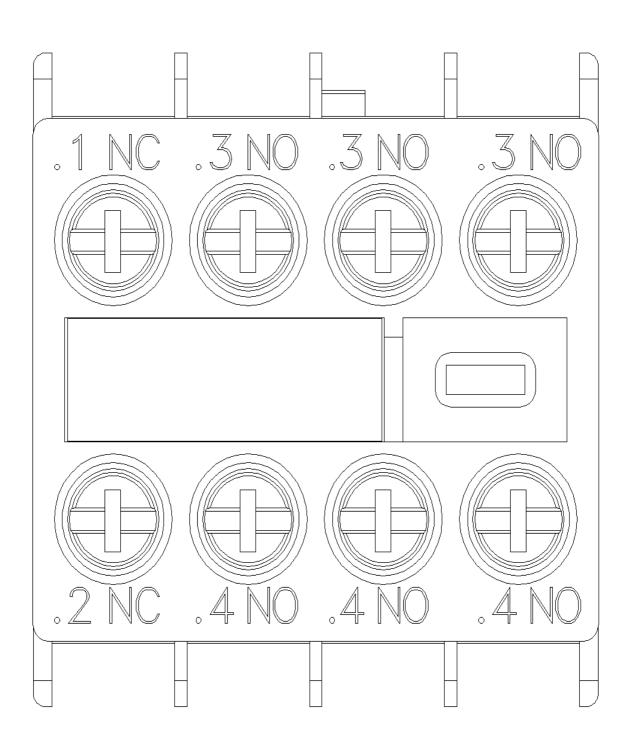
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-1HA31

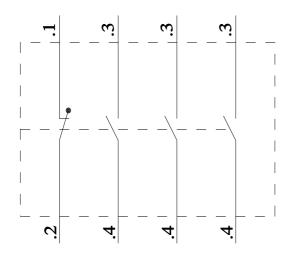
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

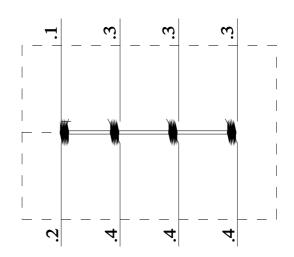
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-1HA31&lang=en











Data sheet 3RH2911-2FA40



auxiliary switch, on the front, 4 NO, .3/.4, .3/.4, .3/.4, .3/.4, current path: 1 NO, 1 NO, 1 NO, 1 NO, 5 pring-loaded terminal, for contactors 3RT2 and contactor relays 3RH2

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	for snapping onto the front
product type designation	3RH29
suitability for use	for 3RT2.1, 3RT2.2, 3RT2.3, 3RT2.4, 3RH2
General technical data	
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP20
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000
Substance Prohibitance (Date)	10/01/2009
Weight	59.3 g
number of NC contacts for auxiliary contacts	
• instantaneous contact	0
lagging switching	0
number of NO contacts for auxiliary contacts	
instantaneous contact	4
leading contact	0
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	1 A
operational current of auxiliary contacts at AC-12	
● at 24 V	10 A
● at 230 V	10 A
operational current of auxiliary contacts at AC-14	
● at 125 V	6 A
• at 250 V	6 A
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
● at 24 V	6 A
• at 230 V	6 A
● at 400 V	3 A
operational current of auxiliary contacts at DC-12	
• at 24 V	10 A
• at 110 V	3 A
• at 220 V	1 A
operational current with 2 current paths in series at DC-12	
at 24 V rated value	10 A

• at 60 V rated value	10 A
• at 110 V rated value	4 A
• at 220 V rated value	2 A
at 440 V rated value	1.3 A
at 600 V rated value	0.65 A
operational current with 3 current paths in series at DC-12	
at 24 V rated value	10 A
at 60 V rated value	10 A
at 110 V rated value at 110 V rated value	10 A
at 110 V rated value at 220 V rated value	3.6 A
at 440 V rated value	2.5 A
at 600 V rated value	1.8 A
operational current with 2 current paths in series at DC-13	
• at 24 V rated value	10 A
 at 60 V rated value 	3.5 A
 at 110 V rated value 	1.3 A
• at 220 V rated value	0.9 A
 at 440 V rated value 	0.2 A
at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13	
• at 24 V rated value	10 A
• at 60 V rated value	4.7 A
• at 110 V rated value	3 A
• at 220 V rated value	1.2 A
• at 440 V rated value	0.5 A
• at 600 V rated value	0.26 A
operational current of auxiliary contacts at DC-13	
● at 24 V	6 A
• at 48 V	2 A
• at 60 V	2 A
• at 110 V	1A
• at 125 V	0 9 A
• at 125 V	0.9 A
• at 220 V	0.3 A
• at 220 V • at 250 V	0.3 A 0.3 A
at 220 V at 250 V contact reliability of auxiliary contacts	0.3 A
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions	0.3 A 0.3 A
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA)
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA)
 at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint 	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD)	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature aduring operation during storage Environmental Footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental Froduct Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 41.5 mm
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature aduring operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 41.5 mm 36 mm
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental Footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 41.5 mm 36 mm 47.7 mm
 at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental Footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 41.5 mm 36 mm
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental Footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 41.5 mm 36 mm 47.7 mm
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature addining operation during storage Environmental Froduct Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function amirror contact according to IEC 60947-4-1 apositively driven operation according to IEC 60947-5-1 Installation/mounting/dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts solid or stranded	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 41.5 mm 36 mm 47.7 mm spring-loaded terminals 0.5 2.5 mm²
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental Footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 41.5 mm 36 mm 47.7 mm

type of connectable conductor cross-sections

- for auxiliary contacts
 - solid or stranded
 - finely stranded with core end processing
 - finely stranded without core end processing
- for AWG cables for auxiliary contacts

AWG number as coded connectable conductor cross section for auxiliary contacts

2x (0.5 ... 2.5 mm²)

2x (0.5 ... 1.5 mm²)

2x (0.5 ... 2.5 mm²)

2x (20 ... 14)

20 ... 14

General Product Approval







Confirmation



<u>KC</u>

General Product Approval

EMV

Functional Saftey

Test Certificates

Marine / Shipping





Type Examination Certificate

Special Test Certific-<u>ate</u>

Type Test Certificates/Test Report



Marine / Shipping













other

Railway

Environment

Miscellaneous

Confirmation

Special Test Certific-<u>ate</u>

Type Test Certificates/Test Report



Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2911-2FA40

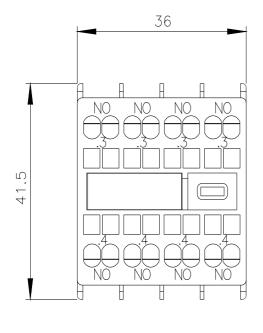
Cax online generator

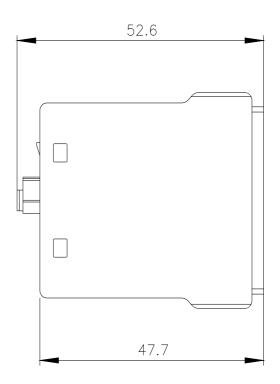
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-2FA40

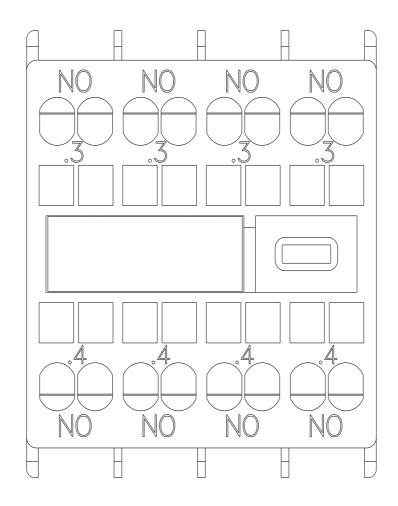
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

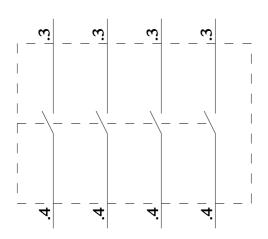
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

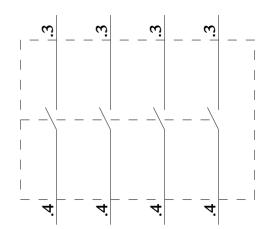
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-2FA40&lang=en











Data sheet 3RH2911-2HA01



auxiliary switch, on the front, 1 NC, .1/.2, --/--, --/--, current path: 1 NC, --, --, spring-loaded terminal, for contactors 3RT2 and contactor relays 3RH2

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	for snapping onto the front
product type designation	3RH29
suitability for use	for 3RT2.1, 3RT2.2, 3RT2.3, 3RT2.4, 3RH2
General technical data	
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP20
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000
Substance Prohibitance (Date)	10/01/2009
Weight	0.044 kg
number of NC contacts for auxiliary contacts	
 instantaneous contact 	1
lagging switching	0
number of NO contacts for auxiliary contacts	
 instantaneous contact 	0
leading contact	0
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	1 A
operational current of auxiliary contacts at AC-12	
● at 24 V	10 A
● at 230 V	10 A
operational current of auxiliary contacts at AC-14	
● at 125 V	6 A
● at 250 V	6 A
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
• at 24 V	6 A
• at 230 V	6 A
• at 400 V	3 A
operational current of auxiliary contacts at DC-12	
• at 24 V	10 A
• at 110 V	3 A
• at 220 V	1A
operational current with 2 current paths in series at DC-12	
at 24 V rated value	10 A

 at 60 V rated value 	10 A
• at 110 V rated value	4 A
• at 220 V rated value	2 A
at 440 V rated value	1.3 A
at 600 V rated value	0.65 A
operational current with 3 current paths in series at DC-12	
at 24 V rated value	10 A
at 60 V rated value	10 A
at 110 V rated value at 110 V rated value	10 A
at 110 V rated value at 220 V rated value	3.6 A
at 440 V rated value	2.5 A
at 600 V rated value	1.8 A
operational current with 2 current paths in series at DC-13	
• at 24 V rated value	10 A
 at 60 V rated value 	3.5 A
 at 110 V rated value 	1.3 A
• at 220 V rated value	0.9 A
 at 440 V rated value 	0.2 A
at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13	
• at 24 V rated value	10 A
• at 60 V rated value	4.7 A
• at 110 V rated value	3 A
• at 220 V rated value	1.2 A
• at 440 V rated value	0.5 A
• at 600 V rated value	0.26 A
operational current of auxiliary contacts at DC-13	
• at 24 V	6 A
• at 48 V	2 A
• at 60 V	2 A
• at 110 V	1A
• at 125 V	0 9 A
• at 125 V	0.9 A
• at 220 V	0.3 A
• at 220 V • at 250 V	0.3 A 0.3 A
at 220 V at 250 V contact reliability of auxiliary contacts	0.3 A
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions	0.3 A 0.3 A
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA)
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA)
 at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint 	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD)	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature aduring operation during storage Environmental Footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental Footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 41.5 mm
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature aduring operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 41.5 mm 36 mm
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at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental Footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 41.5 mm 36 mm 47.7 mm

- for auxiliary contacts
 - solid or stranded
 - finely stranded with core end processing
 - finely stranded without core end processing
- for AWG cables for auxiliary contacts

AWG number as coded connectable conductor cross section for auxiliary contacts

2x (0.5 ... 2.5 mm²)

2x (0.5 ... 1.5 mm²)

2x (0.5 ... 2.5 mm²)

2x (20 ... 14)

20 ... 14

Approvals Certificates

General Product Approval







Confirmation



<u>KC</u>

General Product Approval

EMV

Functional Saftey

Test Certificates

Marine / Shipping





Type Examination Certificate

Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping







LRS







other

Railway

Environment

Miscellaneous

Confirmation

Type Test Certificates/Test Report

Special Test Certificate



Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2911-2HA01

Cax online generator

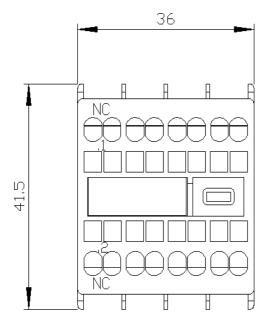
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-2HA01

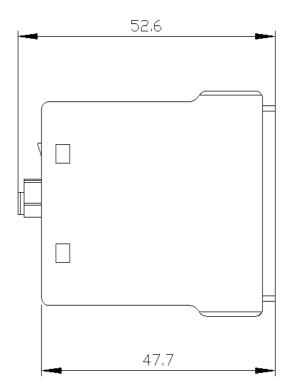
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

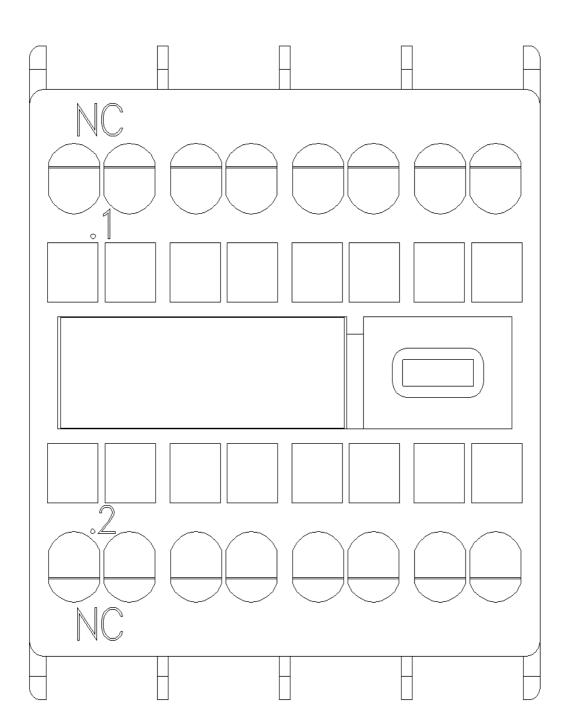
https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-2HA01

 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$

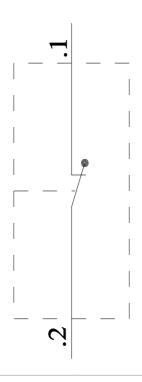
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-2HA01&lang=en

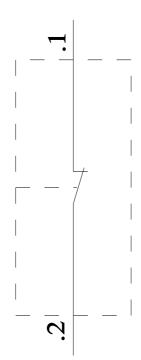






3RT2 3RH2





Data sheet 3RH2911-2HA11



auxiliary switch, on the front, 1 NO + 1 NC, .1/.2, .3/.4, --/--, current path: 1 NC, 1 NO, --, --, spring-loaded terminal, for contactors 3RT2 and contactor relays 3RH2

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	for snapping onto the front
product type designation	3RH29
suitability for use	for 3RT2.1, 3RT2.2, 3RT2.3, 3RT2.4, 3RH2
General technical data	
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP20
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000
Substance Prohibitance (Date)	10/01/2009
Weight	0.05 kg
number of NC contacts for auxiliary contacts	
 instantaneous contact 	1
lagging switching	0
number of NO contacts for auxiliary contacts	
 instantaneous contact 	1
leading contact	0
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	1 A
operational current of auxiliary contacts at AC-12	
• at 24 V	10 A
● at 230 V	10 A
operational current of auxiliary contacts at AC-14	
● at 125 V	6 A
• at 250 V	6 A
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
● at 24 V	6 A
• at 230 V	6 A
• at 400 V	3 A
operational current of auxiliary contacts at DC-12	
● at 24 V	10 A
• at 110 V	3 A
• at 220 V	1 A
operational current with 2 current paths in series at DC-12	
at 24 V rated value	10 A

 at 60 V rated value 	10 A
• at 110 V rated value	4 A
• at 220 V rated value	2 A
at 440 V rated value	1.3 A
at 600 V rated value	0.65 A
operational current with 3 current paths in series at DC-12	
at 24 V rated value	10 A
at 60 V rated value	10 A
at 110 V rated value at 110 V rated value	10 A
at 110 V rated value at 220 V rated value	3.6 A
at 440 V rated value	2.5 A
at 600 V rated value	1.8 A
operational current with 2 current paths in series at DC-13	
• at 24 V rated value	10 A
 at 60 V rated value 	3.5 A
 at 110 V rated value 	1.3 A
• at 220 V rated value	0.9 A
 at 440 V rated value 	0.2 A
at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13	
• at 24 V rated value	10 A
• at 60 V rated value	4.7 A
• at 110 V rated value	3 A
• at 220 V rated value	1.2 A
• at 440 V rated value	0.5 A
• at 600 V rated value	0.26 A
operational current of auxiliary contacts at DC-13	
● at 24 V	6 A
• at 48 V	2 A
• at 60 V	2 A
• at 110 V	1A
• at 125 V	0 9 A
• at 125 V	0.9 A
• at 220 V	0.3 A
• at 220 V • at 250 V	0.3 A 0.3 A
at 220 V at 250 V contact reliability of auxiliary contacts	0.3 A
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions	0.3 A 0.3 A
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA)
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA)
 at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint 	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD)	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes
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at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg
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 - finely stranded with core end processing
 - finely stranded without core end processing
- for AWG cables for auxiliary contacts

AWG number as coded connectable conductor cross section for auxiliary contacts

2x (0.5 ... 2.5 mm²)

2x (0.5 ... 1.5 mm²)

2x (0.5 ... 2.5 mm²)

2x (20 ... 14)

20 ... 14

Approvals Certificates

General Product Approval







Confirmation



<u>KC</u>

General Product Approval

EMV

Functional Saftey

Test Certificates

Marine / Shipping





Type Examination Certificate

Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping







LRS







other Railway Environment

Miscellaneous

Confirmation

Special Test Certificate

Type Test Certificates/Test Report



Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2911-2HA11

Cax online generator

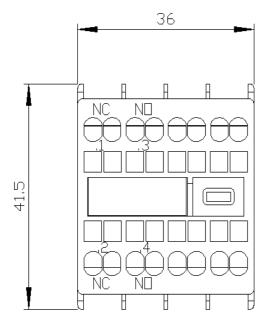
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-2HA11

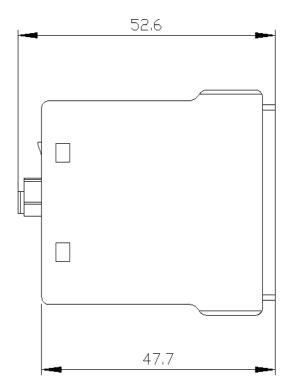
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

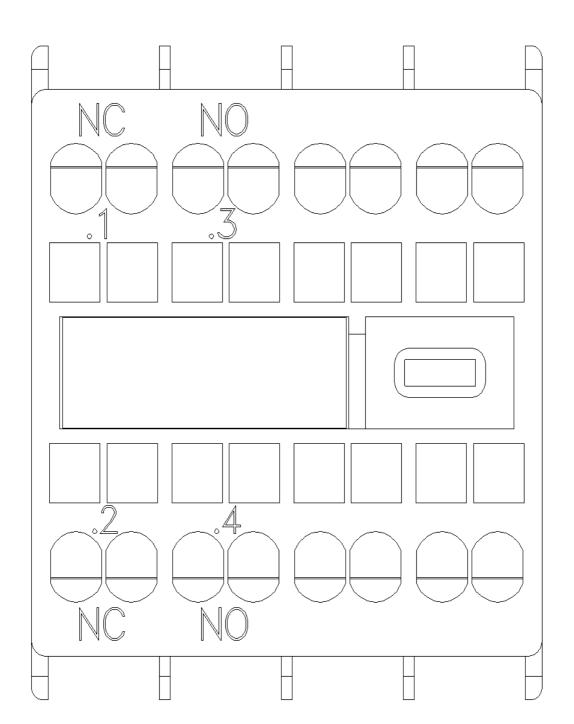
https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-2HA11

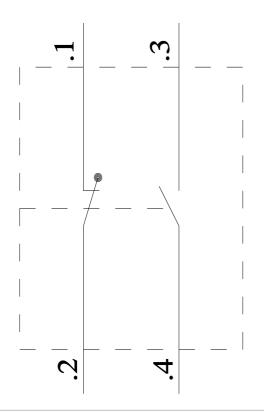
 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$

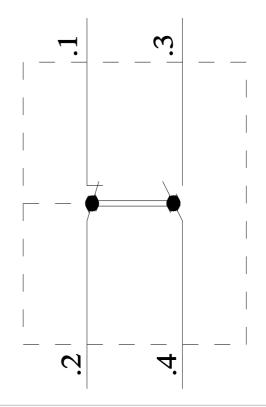
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-2HA11&lang=en











Data sheet 3RH2911-2HA22



auxiliary switch, on the front, 2 NO + 2 NC, .1/.2, .1/.2, .3/.4, .3/.4, current path: 1 NC, 1 NC, 1 NO, 1 NO, spring-loaded terminal, for contactors 3RT2 and contactor relays 3RH2

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	for snapping onto the front
product type designation	3RH29
suitability for use	for 3RT2.1, 3RT2.2, 3RT2.3, 3RT2.4, 3RH2
General technical data	
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP20
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000
Substance Prohibitance (Date)	10/01/2009
Weight	0.065 kg
number of NC contacts for auxiliary contacts	
 instantaneous contact 	2
lagging switching	0
number of NO contacts for auxiliary contacts	
 instantaneous contact 	2
leading contact	0
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	1 A
operational current of auxiliary contacts at AC-12	
• at 24 V	10 A
• at 230 V	10 A
operational current of auxiliary contacts at AC-14	
• at 125 V	6 A
• at 250 V	6 A
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
• at 24 V	6 A
• at 230 V	6 A
• at 400 V	3 A
operational current of auxiliary contacts at DC-12	
• at 24 V	10 A
• at 110 V	3 A
• at 220 V	1 A
operational current with 2 current paths in series at DC-12	
• at 24 V rated value	10 A

 at 60 V rated value 	10 A
• at 110 V rated value	4 A
• at 220 V rated value	2 A
at 440 V rated value	1.3 A
at 600 V rated value	0.65 A
operational current with 3 current paths in series at DC-12	
at 24 V rated value	10 A
at 60 V rated value	10 A
at 110 V rated value at 110 V rated value	10 A
at 110 V rated value at 220 V rated value	3.6 A
at 440 V rated value	2.5 A
at 600 V rated value	1.8 A
operational current with 2 current paths in series at DC-13	
• at 24 V rated value	10 A
 at 60 V rated value 	3.5 A
 at 110 V rated value 	1.3 A
• at 220 V rated value	0.9 A
 at 440 V rated value 	0.2 A
at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13	
• at 24 V rated value	10 A
• at 60 V rated value	4.7 A
• at 110 V rated value	3 A
• at 220 V rated value	1.2 A
• at 440 V rated value	0.5 A
• at 600 V rated value	0.26 A
operational current of auxiliary contacts at DC-13	
● at 24 V	6 A
• at 48 V	2 A
• at 60 V	2 A
• at 110 V	1A
• at 125 V	0 9 A
• at 125 V	0.9 A
• at 220 V	0.3 A
• at 220 V • at 250 V	0.3 A 0.3 A
at 220 V at 250 V contact reliability of auxiliary contacts	0.3 A
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions	0.3 A 0.3 A
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA)
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA)
 at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint 	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD)	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature aduring operation during storage Environmental Footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental Footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 41.5 mm
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature aduring operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 41.5 mm 36 mm
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental Footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 41.5 mm 36 mm 47.7 mm
 at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental Footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 41.5 mm 36 mm
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental Footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 41.5 mm 36 mm 47.7 mm
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature addining operation during storage Environmental Froduct Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function amirror contact according to IEC 60947-4-1 apositively driven operation according to IEC 60947-5-1 Installation/mounting/dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts solid or stranded	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 41.5 mm 36 mm 47.7 mm spring-loaded terminals 0.5 2.5 mm²
at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental Footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 41.5 mm 36 mm 47.7 mm

- for auxiliary contacts
 - solid or stranded
 - finely stranded with core end processing
 - finely stranded without core end processing
- for AWG cables for auxiliary contacts

AWG number as coded connectable conductor cross section for auxiliary contacts

2x (0.5 ... 2.5 mm²)

2x (0.5 ... 1.5 mm²)

2x (0.5 ... 2.5 mm²)

2x (20 ... 14)

20 ... 14

General Product Approval







Confirmation



<u>KC</u>

General Product Approval

EMV

Functional Saftey

Test Certificates

Marine / Shipping





Type Examination Certificate

Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping













other

Railway

Environment

Miscellaneous

Confirmation

Type Test Certificates/Test Report

Special Test Certific-<u>ate</u>





Environment

Environmental Confirmations

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2911-2HA22

Cax online generator

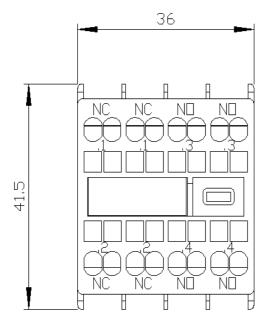
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-2HA22

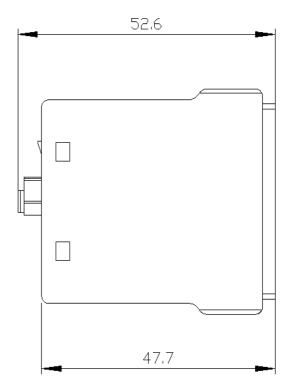
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

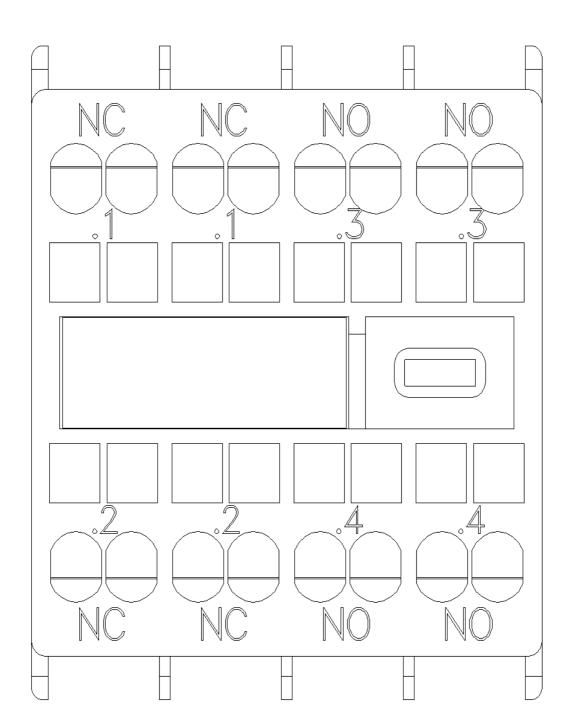
https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-2HA2

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

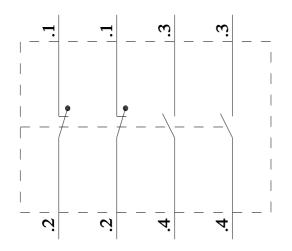
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-2HA22&lang=en

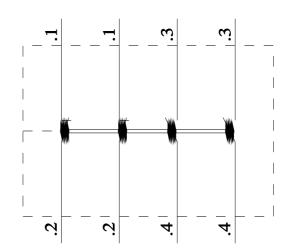






3RT2 3RH2





Data sheet 3RH2911-2HA31



auxiliary switch, on the front, 3 NO + 1 NC, .1/.2, .3/.4, .3/.4, .3/.4, current path: 1 NC, 1 NO, 1 NO, 1 NO spring-loaded terminal, for contactors 3RT2 and contactor relays 3RH2

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	for snapping onto the front
product type designation	3RH29
suitability for use	for 3RT2.1, 3RT2.2, 3RT2.3, 3RT2.4, 3RH2
General technical data	
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP20
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000
Substance Prohibitance (Date)	10/01/2009
Weight	0.061 kg
number of NC contacts for auxiliary contacts	
 instantaneous contact 	1
lagging switching	0
number of NO contacts for auxiliary contacts	
 instantaneous contact 	3
leading contact	0
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	1 A
operational current of auxiliary contacts at AC-12	
● at 24 V	10 A
● at 230 V	10 A
operational current of auxiliary contacts at AC-14	
● at 125 V	6 A
● at 250 V	6 A
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
• at 24 V	6 A
• at 230 V	6 A
• at 400 V	3 A
operational current of auxiliary contacts at DC-12	
● at 24 V	10 A
• at 110 V	3 A
• at 220 V	1 A
operational current with 2 current paths in series at DC-12	
• at 24 V rated value	10 A

 at 60 V rated value 	10 A
• at 110 V rated value	4 A
• at 220 V rated value	2 A
at 440 V rated value	1.3 A
at 600 V rated value	0.65 A
operational current with 3 current paths in series at DC-12	
at 24 V rated value	10 A
at 60 V rated value	10 A
at 110 V rated value at 110 V rated value	10 A
at 110 V rated value at 220 V rated value	3.6 A
at 440 V rated value	2.5 A
at 600 V rated value	1.8 A
operational current with 2 current paths in series at DC-13	
• at 24 V rated value	10 A
 at 60 V rated value 	3.5 A
 at 110 V rated value 	1.3 A
• at 220 V rated value	0.9 A
 at 440 V rated value 	0.2 A
at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13	
• at 24 V rated value	10 A
• at 60 V rated value	4.7 A
• at 110 V rated value	3 A
• at 220 V rated value	1.2 A
• at 440 V rated value	0.5 A
• at 600 V rated value	0.26 A
operational current of auxiliary contacts at DC-13	
● at 24 V	6 A
• at 48 V	2 A
• at 60 V	2 A
• at 110 V	1A
• at 125 V	0 9 A
• at 125 V	0.9 A
• at 220 V	0.3 A
• at 220 V • at 250 V	0.3 A 0.3 A
at 220 V at 250 V contact reliability of auxiliary contacts	0.3 A
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions	0.3 A 0.3 A
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA)
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA)
 at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint 	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD)	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature aduring operation during storage Environmental Footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental Footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes
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at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 41.5 mm
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- for auxiliary contacts
 - solid or stranded
 - finely stranded with core end processing
 - finely stranded without core end processing
- for AWG cables for auxiliary contacts

AWG number as coded connectable conductor cross section for auxiliary contacts

2x (0.5 ... 2.5 mm²)

2x (0.5 ... 1.5 mm²)

2x (0.5 ... 2.5 mm²)

2x (20 ... 14)

20 ... 14

Approvals Certificates

General Product Approval







Confirmation



<u>KC</u>

General Product Approval

EMV

Functional Saftey

Test Certificates

Marine / Shipping





Type Examination Certificate

Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping







LRS







other Railway Environment

Confirmation

Miscellaneous

Special Test Certificate

Type Test Certificates/Test Report



Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2911-2HA31

Cax online generator

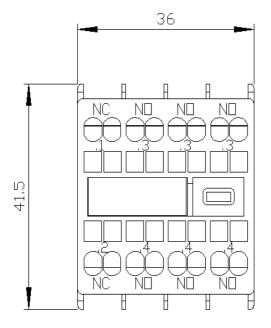
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2911-2HA31

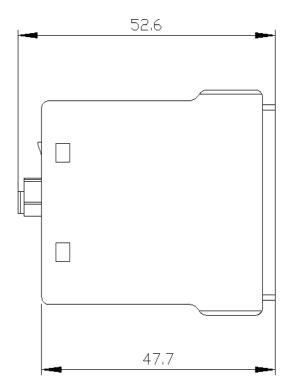
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

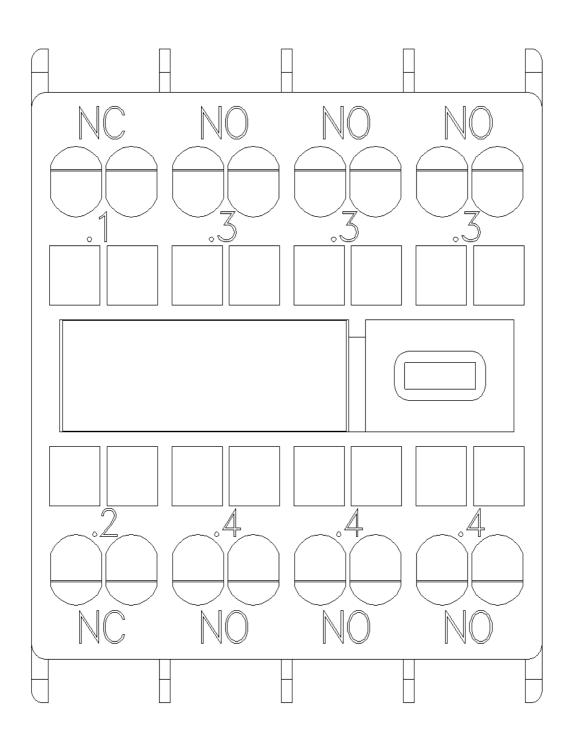
https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-2HA31

 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$

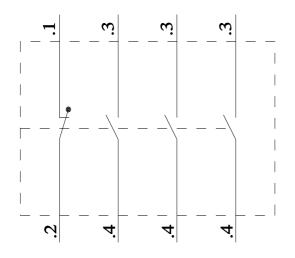
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-2HA31&lang=en

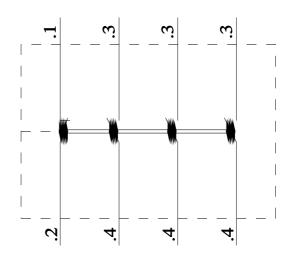






3RT2 3RH2





Data sheet 3RH2911-2XA40-0MA0



auxiliary switch, on the front, 4 NO, 53/54, 63/64, 73/74, 83/84, current path: 1 NO, 1 NO, 1 NO, 1 NO, spring-loaded terminal, for contactors 3RT2 and contactor relays 3RH2

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	for snapping onto the front, with SUVA approval
product type designation	3RH29
suitability for use	for 3RT2.1, 3RT2.2, 3RT2.3, 3RT2.4, 3RH2
General technical data	
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP20
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000
Substance Prohibitance (Date)	10/01/2009
Weight	0.064 kg
number of NC contacts for auxiliary contacts	
 instantaneous contact 	0
lagging switching	0
number of NO contacts for auxiliary contacts	
 instantaneous contact 	4
leading contact	0
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	1 A
operational current of auxiliary contacts at AC-12	
• at 24 V	10 A
● at 230 V	10 A
operational current of auxiliary contacts at AC-14	
• at 125 V	6 A
● at 250 V	6 A
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
• at 24 V	6 A
• at 230 V	6 A
● at 400 V	3 A
operational current of auxiliary contacts at DC-12	
• at 24 V	10 A
• at 110 V	3 A
• at 220 V	1 A
operational current with 2 current paths in series at DC-12	
• at 24 V rated value	10 A

• at 60 V rated value	10 A
• at 110 V rated value	4 A
• at 220 V rated value	2 A
at 440 V rated value	1.3 A
at 600 V rated value	0.65 A
operational current with 3 current paths in series at DC-12	
at 24 V rated value	10 A
at 60 V rated value	10 A
at 110 V rated value at 110 V rated value	10 A
at 110 V rated value at 220 V rated value	3.6 A
at 440 V rated value	2.5 A
at 600 V rated value	1.8 A
operational current with 2 current paths in series at DC-13	
• at 24 V rated value	10 A
 at 60 V rated value 	3.5 A
 at 110 V rated value 	1.3 A
• at 220 V rated value	0.9 A
 at 440 V rated value 	0.2 A
at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13	
• at 24 V rated value	10 A
• at 60 V rated value	4.7 A
• at 110 V rated value	3 A
• at 220 V rated value	1.2 A
• at 440 V rated value	0.5 A
• at 600 V rated value	0.26 A
operational current of auxiliary contacts at DC-13	
● at 24 V	6 A
• at 48 V	2 A
• at 60 V	2 A
• at 110 V	1A
• at 125 V	0 9 A
• at 125 V	0.9 A
• at 220 V	0.3 A
• at 220 V • at 250 V	0.3 A 0.3 A
at 220 V at 250 V contact reliability of auxiliary contacts	0.3 A
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions	0.3 A 0.3 A
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA)
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA)
 at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint 	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD)	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg
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at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 41.5 mm
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at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental Footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.92 kg 0.34 kg 0.562 kg 0.017 kg Yes; with 3RT2 Yes snap-on mounting 41.5 mm 36 mm 47.7 mm
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- for auxiliary contacts
 - solid or stranded
 - finely stranded with core end processing
 - finely stranded without core end processing
- for AWG cables for auxiliary contacts

AWG number as coded connectable conductor cross section for auxiliary contacts

2x (0.5 ... 2.5 mm²)

2x (0.5 ... 1.5 mm²)

2x (0.5 ... 2.5 mm²)

2x (20 ... 14)

20 ... 14

Approvals Certificates

General Product Approval







Confirmation





EMV

Functional Saftey

Test Certificates

Marine / Shipping



Type Examination Certificate

Special Test Certific-<u>ate</u>

Type Test Certificates/Test Report





Marine / Shipping











Miscellaneous

other

other

Railway

Environment

Confirmation

Special Test Certific-<u>ate</u>



Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2911-2XA40-0MA0

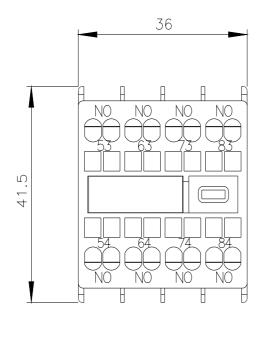
Cax online generator

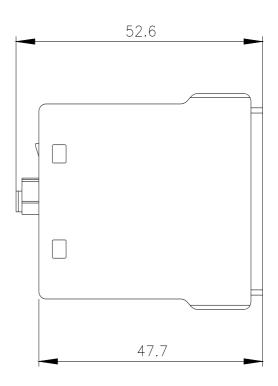
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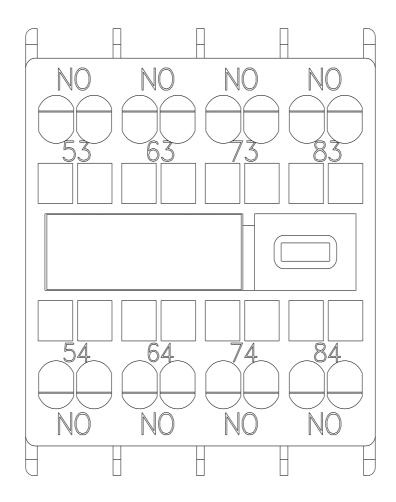
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

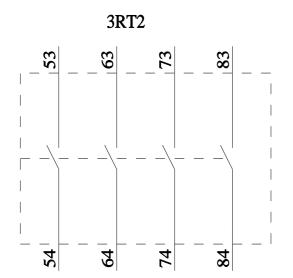
https://support.industry.siemens.com/cs/ww/en/ps/3RH2911-2XA40-0MA0

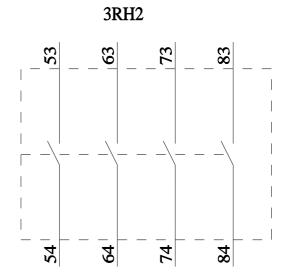
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2911-2XA40-0MA0&lang=en











Data sheet 3RH2921-1DA02



auxiliary switch, lateral, 2 NC, on the left: 51/52, 61/62, on the right: 31/32, 41/42, current path: 1 NC, 1 NC, screw terminal, for contactors 3RT2 and contactor relays 3RH2

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	first laterally mountable
product type designation	3RH29
suitability for use	for 3RT2.2, 3RT2.3, 3RT2.4, 3RH2
General technical data	
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP20
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000
Substance Prohibitance (Date)	10/01/2009
Weight	0.04 kg
number of NC contacts for auxiliary contacts	
• instantaneous contact	2
lagging switching	0
number of NO contacts for auxiliary contacts	
• instantaneous contact	0
leading contact	0
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	1 A
operational current of auxiliary contacts at AC-12	
● at 24 V	10 A
• at 230 V	10 A
operational current of auxiliary contacts at AC-14	
• at 125 V	6 A
• at 250 V	6 A
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
• at 24 V	6 A
• at 230 V	6 A
• at 400 V	3 A
operational current of auxiliary contacts at DC-12	
• at 24 V	10 A
• at 110 V	3 A
• at 220 V	1 A
operational current with 2 current paths in series at DC-12	
·	

at 60 V rated value	10 A
 at 110 V rated value 	4 A
at 220 V rated value	2 A
at 440 V rated value	1.3 A
at 600 V rated value	0.65 A
operational current with 3 current paths in series at DC-12	
at 24 V rated value	10 A
at 60 V rated value	10 A
at 110 V rated value	10 A
at 220 V rated value	3.6 A
at 440 V rated value	2.5 A
• at 600 V rated value	1.8 A
operational current with 2 current paths in series at DC-13	1.0 A
	10.0
• at 24 V rated value	10 A
• at 60 V rated value	3.5 A
• at 110 V rated value	1.3 A
at 220 V rated value	0.9 A
at 440 V rated value	0.2 A
at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13	
at 24 V rated value	10 A
at 60 V rated value	4.7 A
• at 110 V rated value	3 A
at 220 V rated value	1.2 A
• at 440 V rated value	0.5 A
at 600 V rated value	0.26 A
operational current of auxiliary contacts at DC-13	
● at 24 V	6 A
• at 48 V	2 A
● at 60 V	2 A
• at 110 V	1 A
	0.0.4
● at 125 V	0.9 A
at 125 Vat 220 V	0.9 A 0.3 A
• at 220 V	0.3 A
• at 220 V • at 250 V	0.3 A 0.3 A
at 220 V at 250 V contact reliability of auxiliary contacts	0.3 A
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions	0.3 A 0.3 A
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA)
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C
 at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage 	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA)
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature addring operation during storage Environmental footprint	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD)	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature aduring operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature aduring operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature aduring operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg 0.03 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg 0.03 kg
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg 0.03 kg Yes; with 3RT2
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg 0.03 kg Yes; with 3RT2
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg 0.03 kg Yes; with 3RT2 No
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature aduring operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg 0.03 kg Yes; with 3RT2 No snap-on mounting
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature aduring operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg 0.03 kg Yes; with 3RT2 No snap-on mounting 57.4 mm
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function amirror contact according to IEC 60947-4-1 appositively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg 0.03 kg Yes; with 3RT2 No snap-on mounting 57.4 mm 10 mm
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function a mirror contact according to IEC 60947-4-1 b positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg 0.03 kg Yes; with 3RT2 No snap-on mounting 57.4 mm 10 mm
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature aduring operation during storage Environmental Footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg 0.03 kg Yes; with 3RT2 No snap-on mounting 57.4 mm 10 mm 66 mm
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature aduring operation during storage Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function amirror contact according to IEC 60947-4-1 apositively driven operation according to IEC 60947-5-1 Installation/mounting/dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg 0.03 kg Yes; with 3RT2 No snap-on mounting 57.4 mm 10 mm 66 mm
 at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature during operation during storage Environmental Froduct Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts solid or stranded 	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg 0.03 kg Yes; with 3RT2 No snap-on mounting 57.4 mm 10 mm 66 mm screw-type terminals 0.5 2.5 mm²
at 220 V at 250 V contact reliability of auxiliary contacts Ambient conditions ambient temperature at during operation during storage Environmental Footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation Global Warming Potential [CO2 eq] after end of life Safety related data product function amirror contact according to IEC 60947-4-1 apositively driven operation according to IEC 60947-5-1 Installation/ mounting/ dimensions fastening method height width depth Connections/ Terminals type of electrical connection for auxiliary and control circuit connectable conductor cross-section for auxiliary contacts	0.3 A 0.3 A 1 faulty switching per 100 million (17 V, 1 mA) -25 +60 °C -55 +80 °C Yes 0.788 kg 0.2 kg 0.56 kg 0.03 kg Yes; with 3RT2 No snap-on mounting 57.4 mm 10 mm 66 mm screw-type terminals

- for auxiliary contacts
 - solid or stranded
 - finely stranded with core end processing
- for AWG cables for auxiliary contacts

AWG number as coded connectable conductor cross section for auxiliary contacts

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (20 ... 16), 2x (18 ... 14)

20 ... 14

Approvals Certificates

General Product Approval







Confirmation



<u>KC</u>

General Product Approval

EMV

Test Certificates

Marine / Shipping





Special Test Certific-<u>ate</u>

Type Test Certificates/Test Report





Marine / Shipping













Miscellaneous

other

other

Confirmation

Railway

Type Test Certific-**Special Test Certific**ates/Test Report <u>ate</u>



Environment

Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2921-1DA02

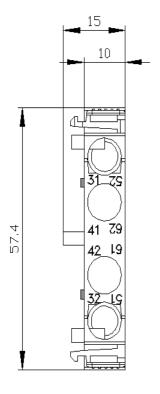
Cax online generator

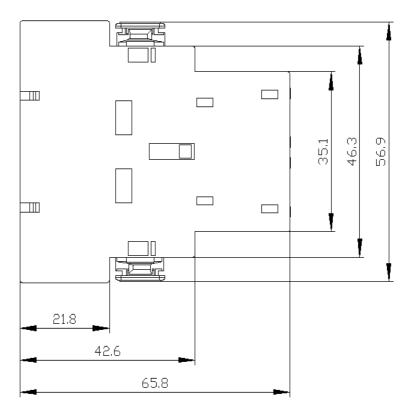
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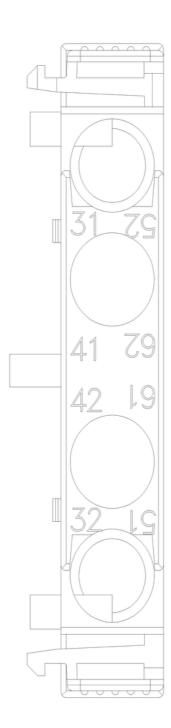
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2921-1DA02&lang=en

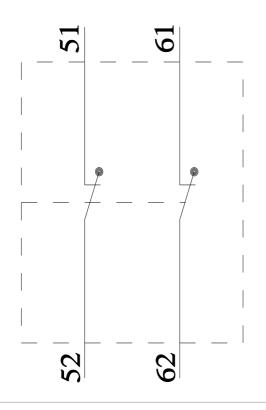


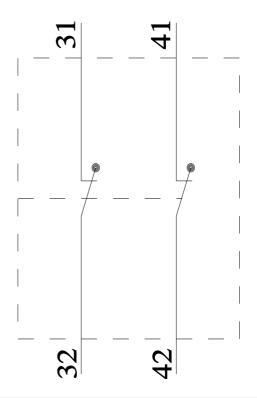




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Data sheet 3RH2921-1DA11



auxiliary switch, lateral, 1 NO + 1 NC, on the left: 51/52, 63/64, on the right: 31/32, 43/44, current path: 1 NC, 1 NO, screw terminal, for contactors 3RT2 and contactor relays 3RH2

product brand name	SIRIUS
product category	Auxiliary switch
product designation	auxiliary switch
design of the product	first laterally mountable
product type designation	3RH29
suitability for use	for 3RT2.2, 3RT2.3, 3RT2.4, 3RH2
General technical data	
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
protection class IP on the front	IP20
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	200 000
Substance Prohibitance (Date)	10/01/2009
Weight	0.039 kg
number of NC contacts for auxiliary contacts	
 instantaneous contact 	1
lagging switching	0
number of NO contacts for auxiliary contacts	
 instantaneous contact 	1
leading contact	0
number of CO contacts of auxiliary contacts instantaneous contact	0
operational current at AC-15 at 690 V rated value	1 A
operational current of auxiliary contacts at AC-12	
● at 24 V	10 A
● at 230 V	10 A
operational current of auxiliary contacts at AC-14	
• at 125 V	6 A
• at 250 V	6 A
operational current of auxiliary contacts at AC-12 maximum	10 A
operational current of auxiliary contacts at AC-15	
• at 24 V	6 A
• at 230 V	6 A
• at 400 V	3 A
operational current of auxiliary contacts at DC-12	
• at 24 V	10 A
• at 110 V	3 A
• at 220 V	1 A
operational current with 2 current paths in series at DC-12	
at 24 V rated value	10 A

• at 60 V rated value	10 A
• at 110 V rated value	4 A
• at 220 V rated value	2 A
at 440 V rated value	1.3 A
at 600 V rated value	0.65 A
operational current with 3 current paths in series at DC-12	
at 24 V rated value	10 A
at 60 V rated value	10 A
at 110 V rated value at 110 V rated value	10 A
at 220 V rated value	3.6 A
• at 440 V rated value	2.5 A
at 600 V rated value	1.8 A
operational current with 2 current paths in series at DC-13	
• at 24 V rated value	10 A
 at 60 V rated value 	3.5 A
at 110 V rated value	1.3 A
at 220 V rated value	0.9 A
• at 440 V rated value	0.2 A
at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13	
• at 24 V rated value	10 A
• at 60 V rated value	4.7 A
 at 110 V rated value 	3 A
• at 220 V rated value	1.2 A
• at 440 V rated value	0.5 A
• at 600 V rated value	0.26 A
operational current of auxiliary contacts at DC-13	
• at 24 V	6 A
● at 48 V	2 A
• at 60 V	2 A
• at 110 V	1A
• at 125 V	0.9 A
• at 220 V	0.3 A
• at 250 V	0.3 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
Ambient conditions	, 5
ambient temperature	
during operation	-25 +60 °C
	-25 +80 °C
during storage Environmental featuring	-00 +00 C
Environmental footprint	V
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	0.788 kg
Global Warming Potential [CO2 eq] during manufacturing	0.2 kg
Global Warming Potential [CO2 eq] during operation	0.56 kg
Global Warming Potential [CO2 eq] after end of life	0.03 kg
Safety related data	
product function	
 mirror contact according to IEC 60947-4-1 	Yes; with 3RT2
 positively driven operation according to IEC 60947-5-1 	No
Installation/ mounting/ dimensions	
fastening method	snap-on mounting
height	57.4 mm
width	10 mm
depth	66 mm
Connections/ Terminals	
type of electrical connection for auxiliary and control circuit	screw-type terminals
connectable conductor cross-section for auxiliary contacts	Section type terminals
solid or stranded	0.5 2.5 mm²
finely stranded with core end processing	0.5 2.5 mm ²
■ IIII III SII AHUEU WIIII COLE EHU DIOCESSINO	U.J 2.3 IIIII
type of connectable conductor cross-sections	

- for auxiliary contacts
 - solid or stranded
 - finely stranded with core end processing
- for AWG cables for auxiliary contacts

AWG number as coded connectable conductor cross section for auxiliary contacts

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²) 2x (20 ... 16), 2x (18 ... 14)

20 ... 14

Approvals Certificates

General Product Approval







Confirmation



<u>KC</u>

General Product Approval

EMV

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report

Special Test Certificate





Marine / Shipping











Miscellaneous

other

Railway other

Confirmation

Special Test Certific-<u>ate</u>

Type Test Certificates/Test Report



Environment

Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2921-1DA11

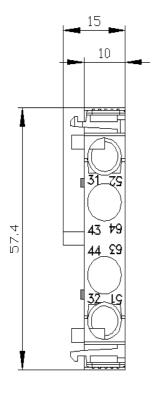
Cax online generator

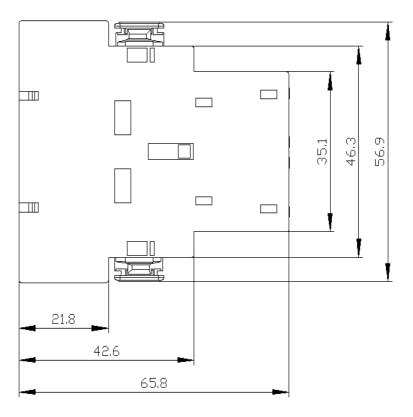
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2921-1DA11

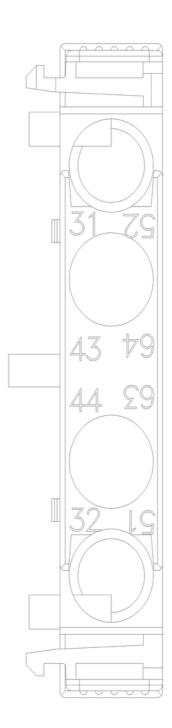
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2921-1DA11&lang=en

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