



PRODUCT-DETAILS

TEF5-OFF

TEF5-OFF Frontal Electronic Timer



General Information	
Extended Product Type	TEF5-OFF
Product ID	1SBN020314R1000
EAN	3471522387110
Catalog Description	TEF5-OFF Frontal Electronic Timer
Long Description	TEF5-OFF is a frontal electronic timer used to realize the timing function and allow a compact solution in the cabinet compared to separate timers. TEF5 electronic timers are front-mounted and locked on UA16..UA75, AX contactors or NX contactor relays. A mechanical indicator allows to show the state of the contactor. TEF5 electronic timers are supplied by direct wiring to the coil terminals A1 - A2 of the contactor or contactor relay. A varistor is integrated on the timer to offer a built-in protection against surges in the contactor coil. The TEF45 is available for a wide control voltage range 24...240 V AC/DC. TEF5 allow time-delayed functions up to 100 s in 3 distinct time ranges, independently of the control system. The time delay ranges are selected by a switch and the time delay can be adjusted by means of a rotary switch. The timing function of TEF5-OFF is activated by opening the device on which the timer is mounted. The OFF-delay version operates without additional control supply.

Ordering	
Minimum Order Quantity	1 piece
Customs Tariff Number	85389091

Popular Downloads

Data Sheet, Technical Information	1SBC100214C0202
Instructions and Manuals	1SBC101034M6801
CAD Dimensional Drawing	2CDC001079B0201

Dimensions

Product Net Width	44 mm
Product Net Depth / Length	62.5 mm
Product Net Height	40.5 mm
Product Net Weight	0.065 kg

Technical

Number of Auxiliary Contacts NO	1
Number of Auxiliary Contacts NC	1
Number of Poles	2P
Standards	IEC/EN 60947-5-1, UL 508, CSA C22-2 No. 14-18
Rated Operational Voltage	Auxiliary Circuit 240 V AC
Rated Frequency (f)	Auxiliary Circuit 50 / 60 Hz
Conventional Free-air Thermal Current (I_{th})	acc. to IEC 60947-5-1, $\Theta = 40\text{ °C}$ 5 A
Rated Operational Current AC-15 (I_{θ})	(24 / 127 V) 3 A (220 / 240 V) 1.5 A
Rated Operational Current DC-13 (I_{θ})	(24 V) 1 A / 24 W
Rated Short-time Withstand Current Low Voltage (I_{cw})	for 0.1 s 8 A for 1 s 8 A
Rated Insulation Voltage (U_i)	acc. to IEC 60947-5-1 400 V acc. to UL/CSA 300 V
Rated Impulse Withstand Voltage (U_{imp})	4 kV
Maximum Electrical Switching Frequency	(AC-15) 1200 cycles per hour (DC-13) 900 cycles per hour
Maximum Mechanical Switching Frequency	1800 cycles per hour
Power Loss	at 3 A per Pole 0.1 W
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20
Tightening Torque	Auxiliary Circuit 1 N·m
Terminal Type	Screw Terminals
Timer Relay Type	OFF-Delay
Suitable For	GA75 GAE75 UA16 UA26 UA30 UA50 UA63 UA75 AX06 AX09 AX12 AX18 AX25 AX32 AX40 AX50

AX65
AX80

Product Name	Electronic Timer
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Technical UL/CSA

Tightening Torque UL/CSA	Auxiliary Circuit 9 in-lb
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Environmental

Ambient Air Temperature	Close to Contactor for Storage -40 ... +80 °C Operation -25 ... +70 °C
Climatic Withstand	Category B according to IEC 60947-1 Annex Q
Maximum Operating Altitude Permissible	Without Derating 2000 m

Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	2CMT2021-006202
RoHS Information	2CMT2021-006277
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
SCIP	558c7d79-298b-4357-9b83-3f7a9b422347 China
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Certificates and Declarations

CB Certificate	CB_CN46281
CCC Certificate	CCC_2012010303572179
CQC Certificate	CQC2012010303572179
Declaration of Conformity - CCC	2020980303000172
Declaration of Conformity - CE	1SBD250812U1000
Declaration of Conformity - UKCA	1SBD250829U1000
UL Certificate	UL-US-L252354-192-31702102-2 UL-CA-L252354-392-31702102-2
UL Listing Card	UL E252354

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	82 mm
Package Level 1 Depth / Length	56 mm
Package Level 1 Height	51 mm
Package Level 1 Gross Weight	0.065 kg
Package Level 1 EAN	3471522387110

External Classifications and Standards

Object Classification Code	K
ETIM 7	EC002498 - Accessories for low-voltage switch technology
ETIM 8	EC002498 - Accessories/spare parts for low-voltage switch technology
ETIM 9	EC002060 - Timer block
eClass	V11.0 : 27371308
UNSPSC	39121523
IDEA Granular Category Code (IGCC)	4746 >> Timer controls
E-Number (Finland)	2712546

Categories

Low Voltage Products and Systems → Control Products → Contactors → Block Contactors

