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**PRODUCT-DETAILS**

## TEF5-OFF

### TEF5-OFF Frontal Electronic Timer



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**General Information**

Extended Product Type	TEF5-OFF
Product ID	1ISBN020314R1000
EAN	3471522387110
Catalog Description	TEF5-OFF Frontal Electronic Timer
Long Description	<p>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.</p>

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**Ordering**

Minimum Order Quantity	1 piece
Customs Tariff Number	85389091

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## Popular Downloads

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

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## Dimensions

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

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## Technical

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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, $\Theta = 40^{\circ}\text{C}$ 5 A
Rated Operational Current AC-15 ( $I_e$ )	(24 / 127 V) 3 A (220 / 240 V) 1.5 A
Rated Operational Current DC-13 ( $I_e$ )	(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  
AX80Product Name Electronic Timer**Technical UL/CSA**Tightening Torque  
UL/CSA Auxiliary Circuit 9 in·lb**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)	<u>9AKK108467A5658</u>
REACH Declaration	<u>2CMT2021-006202</u>
RoHS Information	<u>2CMT2021-006277</u>
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
SCIP	<u>558c7d79-298b-4357-9b83-3f7a9b422347 China</u>
WEEE B2C / B2B	Business To Business
WEEE Category	<u>5. Small Equipment (No External Dimension More Than 50 cm)</u>

**Certificates and Declarations**

CB Certificate	<u>CB_CN46281</u>
CCC Certificate	<u>CCC_2012010303572179</u>
CQC Certificate	<u>CQC2012010303572179</u>
Declaration of Conformity - CCC	<u>2020980303000172</u>
Declaration of Conformity - CE	<u>1SBD250812U1000</u>
Declaration of Conformity - UKCA	<u>1SBD250829U1000</u>
UL Certificate	<u>UL-US-L252354-192-31702102-2 UL-CA-L252354-392-31702102-2</u>
UL Listing Card	<u>UL_E252354</u>

**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	<u>3471522387110</u>

**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

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## Categories

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

