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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	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.

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**Ordering**

Minimum Order Quantity	1 piece
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Customs Tariff Number

85389091

## Popular Downloads

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
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 Short-time Withstand Current Low Voltage ( $I_{cw}$ )	for 0.1 s 8 A for 1 s 8 A
Maximum Electrical Switching Frequency	(AC-15) 1200 cycles per hour (DC-13) 900 cycles per hour
Rated Operational Current DC-13 ( $I_e$ )	(24 V) 1 A / 24 W
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 Mechanical Switching Frequency	1800 cycles per hour
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20
Terminal Type	Screw Terminals
Suitable For	GA75 GAE75 UA16 UA26 UA30 UA50 UA63 UA75 AX06 AX09 AX12 AX18

AX25  
 AX32  
 AX40  
 AX50  
 AX65  
 AX80

## Technical UL/CSA

Tightening Torque Auxiliary Circuit 9 in-lb  
 UL/CSA

## 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  
 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
Package Level 2 Units	box 80 piece
Package Level 2 Width	254 mm
Package Level 2 Depth / Length	319 mm
Package Level 2 Height	200 mm
Package Level 2 Gross Weight	5.2 kg

## Classifications

Object Classification Code	K
ETIM 6	EC002498 - Accessories for low-voltage switch technology
ETIM 7	EC002498 - Accessories for low-voltage switch technology
ETIM 8	EC002498 - Accessories/spare parts for low-voltage switch technology
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

