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 PRODUCT-DETAILS

# TEF5-ON

## TEF5-ON Frontal Electronic Timer




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**General Information**

|                       |                                  |
|-----------------------|----------------------------------|
| Extended Product Type | TEF5-ON                          |
| Product ID            | 1SBN020312R1000                  |
| EAN                   | 3471522387103                    |
| Catalog Description   | TEF5-ON Frontal Electronic Timer |

|                  |   |
|------------------|---|
| Long Description | <p>TEF5-ON is a frontal electronic timer used to realize the timing function and allow a compact solution in the cabinet compared to separate timers 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 a direct plug-in parallel connection 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 TEF5 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-ON is activated by closing the device on which the timer is mounted.</p> |
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**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   |
| 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 ( $I_e$ )                   | (24 / 127 V) 3 A<br>(220 / 240 V) 1.5 A   |
| Rated Short-time Withstand Current Low Voltage ( $I_{cw}$ ) | for 0.1 s 8 A<br>for 1 s 8 A  |
| Maximum Electrical Switching Frequency                      | (AC-15) 1200 cycles per hour<br>(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<br>acc. to UL/CSA 300 V   |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )               | 4 kV  |
| Maximum Mechanical Switching Frequency                      | 3600 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<br>GAE75<br>UA16<br>UA26<br>UA30<br>UA50<br>UA63<br>UA75<br>AX06<br>AX09<br>AX12<br>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 and Amendment 2015/863 July 22, 2019  
 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            | 3471522387103 |
| 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        |

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## Classifications

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|                                    |  |
|------------------------------------|--|
| 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)                 | 2712547  |

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## Categories

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

