



 PRODUCT-DETAILS

TEF4-OFF

TEF4-OFF Frontal Electronic Timer



General Information

Extended Product Type	TEF4-OFF
Product ID	1SBN020114R1000
EAN	3471523130654
Catalog Description	TEF4-OFF Frontal Electronic Timer

Long Description	<p>TEF4-OFF is a frontal electronic timer used to realize the timing function and allow a compact solution in the cabinet compared to separate timers. TEF4 electronic timers are front-mounted and locked on AF, AFC contactors or NF, NFC electronic contactor relays. A mechanical indicator allows to show the state of the contactor. TEF4 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 TEF4 is available for a wide control voltage range 24...240 V AC/DC. TEF4 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 TEF4-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

Popular Downloads

Instructions and Manuals	1SBC101026M6801
CAD Dimensional Drawing	2CDC001079B0201

Dimensions

Product Net Width	43 mm
Product Net Depth / Length	67.7 mm
Product Net Height	41.6 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 Auxiliary Circuit 24 V DC
Rated Frequency (f)	Auxiliary Circuit 50 / 60 Hz Control Circuit 50 / 60 Hz
Conventional Free-air Thermal Current (I_{th})	acc. to IEC 60947-5-1, $\Theta = 40\text{ }^{\circ}\text{C}$ 5 A
Rated Operational Current AC-15 (I_{θ})	(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_{θ})	(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
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 1/2x 0.5 ... 2.5 mm ² Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm ² Rigid Solid 1/2x 1 ... 2.5 mm ² Rigid Stranded 1/2x 1 ... 2.5 mm ²
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20
Terminal Type	Screw Terminals
Suitable For	AF09 AF09Z AF12 AF12Z AF16 AF16Z AF26 AF26Z AF30 AF30Z AF38 AF38Z AF40 AF52 AF65 AF80

AF96
 AFC09
 AFC12
 AFC16
 AFC26
 AFC30
 AFC38
 NF22E
 NFZ22E
 NF31E
 NFZ31E
 NF40E
 NFZ40E
 NFC22E
 NFC31E
 NFC40E

Technical UL/CSA

Tightening Torque Auxiliary Circuit 11 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

Resistance to Vibrations 3g Closed Position & 2g Open Position 5 ... 300 Hz

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

ABS Certificate ABS_20-2060694-PDA

CB Certificate CB_CN46281

CCC Certificate CCC_2012010303572179

CQC Certificate CQC2012010303572179

Declaration of Conformity - CCC 2020980303000172

Declaration of Conformity - CE 1SBD250008U1000

Declaration of Conformity - UKCA 1SBD250039U1000

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	3471523130654
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 4	EC002498 - Accessories for low-voltage switch technology	
ETIM 5	EC002498 - Accessories for low-voltage switch technology	
ETIM 6	EC002060 - Timer block	
ETIM 7	EC002060 - Timer block	
ETIM 8	EC002060 - Timer block	
eClass	V11.0 : 27371308	
UNSPSC	39121523	
IDEA Granular Category Code (IGCC)	4746 >> Timer controls	
E-Number (Finland)	3706000	
E-Number (Sweden)	3210257	

Categories

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

