



PRODUCT-DETAILS

# TEF4S-OFF

## TEF4S-OFF Frontal Electronic Timer



General Information	
Extended Product Type	TEF4S-OFF
Product ID	1SBN020115R1000
EAN	3471523130661
Catalog Description	TEF4S-OFF Frontal Electronic Timer
Long Description	<p>TEF4S-OFF is a frontal electronic timer used for realizing timing function. TEF4S electronic timers, equipped with spring terminals, are front-mounted and locked on AF, AFC contactors or NF, NFC contactor relays equipped with screw or push-in terminals. A mechanical indicator allows to show the state of the contactor. TEF4S 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 TEF4S is available for a wide control voltage range 24...240 V AC/DC. TEF4S 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 TEF4S-OFF is activated by opening the device on which the timer is mounted. The OFF-delay version operates without additional control supply.</p>
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	41.3 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, $\Theta = 40\text{ °C}$ 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	Spring 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

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	3471523130661
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	39121500
E-Number (Finland)	3708074

Categories

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

