

PRODUCT-DETAILS

TEF4-ON

TEF4-ON Frontal Electronic Timer



General Information

Extended Product Type	TEF4-ON
Product ID	1SBN020112R1000
EAN	3471523130630
Catalog Description	TEF4-ON Frontal Electronic Timer

Long Description	<p>TEF4 frontal electronic timers are used for realizing timing function and are available in ON-delay and OFF-delay versions.</p> <p>Compact solution in cabinet compared to separate timers</p> <p>TEF4 electronic timers are front-mounted and locked on AF contactors or NF contactor relays.</p> <p>A mechanical indicator allows to show the state of the contactor.</p> <p>Safe and cost-reduced wiring.</p> <p>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.</p> <p>Available for a wide control voltage range 24...240 V AC/DC</p> <p>TEF4-ON or TEF4-OFF 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 is activated by closing or opening the device on which the timer is mounted.</p> <p>The OFF-delay version operates without additional control supply.</p>
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Technical

Product Name	Electronic Timer
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

Rated Operational Voltage	Auxiliary Circuit 240 V AC Auxiliary Circuit 24 V DC
Rated Insulation Voltage (U _i)	acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 400 V acc. to UL/CSA 300 V
Rated Impulse Withstand Voltage (U _{imp})	4 kV
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
Rated Frequency (f)	Auxiliary Circuit 50 / 60 Hz
Number of Auxiliary Contacts NC	1
Number of Auxiliary Contacts NO	1
Number of Auxiliary Contacts CO (SPDT)	0
Tightening Torque	Auxiliary Circuit 1.2 N·m
Timer Relay Type	ON-Delay
Mounting Position	Mounting positions 1, 1 +/- 30°, 2, 3, 4, 5
Terminal Type	Screw Terminals

Environmental

Ambient Air Temperature	Close to Contactor for Storage -40 ... +80 °C Operation -25 ... +70 °C
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20
Maximum Operating Altitude Permissible	Without Derating 2000 m
Resistance to Vibrations acc. to IEC 60068-2-6	5 ... 300 Hz 3 g Closed position / 2 g Open position
RoHS Status	Following EU Directive 2011/65/EU
Environmental Information	1SBD250192E1000

Technical UL/CSA

Tightening Torque UL/CSA	Auxiliary Circuit 11 in-lb
Pilot Duty UL/CSA	B300 R300

Dimensions

Product Net Width	43 mm
Product Net Height	41.6 mm
Product Net Depth / Length	67.7 mm
Product Net Weight	0.065 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	82 mm
Package Level 1 Height	51 mm
Package Level 1 Depth / Length	56 mm
Package Level 1 Gross Weight	0.065 kg
Package Level 1 EAN	3471523130630
Package Level 2 Units	box 80 piece
Package Level 2 Width	254 mm
Package Level 2 Height	200 mm
Package Level 2 Depth / Length	319 mm
Package Level 2 Gross Weight	5.2 kg

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85389091
E-Number (Finland)	3706012
E-Number (Sweden)	3210205
Country of Origin	China (CN)
Selling Unit of Measure	piece

Certificates and Declarations (Document Number)

CB Certificate	CB_CN46281
CCC Certificate	CCC_2012010303572179
CQC Certificate	CQC2012010303572179
Declaration of Conformity - CCC	2020980303000172
Declaration of Conformity - CE	1SBD250008U1000
Environmental Information	1SBD250192E1000
Instructions and Manuals	1SBC101026M6801
RoHS Information	1SBD250008U1000
UL Certificate	UL_20120717_E252354
UL Listing Card	UL_E252354

Popular Downloads

Instructions and Manuals	1SBC101026M6801
UL Listing Card	UL_E252354

Classifications

ETIM 6	EC002060 - Timer block
ETIM 7	EC002060 - Timer block
ETIM 8	EC002060 - Timer block
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business
CN8	8538 90 91
UNSPSC	39121500
Object Classification Code	K

Categories

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

