

Representative Image

Alternate Catalog No. TEF4-OFF
Catalog No. 1SBN020114R1000

Description: TEF4-OFF Frontal Electronic Timer

UPC No 3471523130654

Home > Contactors & Starters > UL Listed IEC Contactors > AF Contactors

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

Descriptors

Category	AF Contactors
Block Contactor Type	Accessory

Specifications

Product Type	AF
Object Classification Code	K
Terminal Type	Screw Terminals
Resistance to Vibrations acc. to IEC 60068-2-6	5 ... 300 Hz 3 g Closed position / 2 g Open position
Number of Auxiliary Contacts NO	1
RoHS Status	Following EU Directive 2011/65/EU
Reference Ambient Air Temperature	Close to Contactor for Storage °C Near Contactor for Operation in Free Air °C
Number of Auxiliary Contacts NC	1
Tightening Torque UL/CSA	Auxiliary Circuit 11 IA
Maximum Operating Altitude Permissible	2000 m
Conventional Free-air Thermal Current	acc. to IEC 60947-5-1, q = 40 °C 5 A
Rated Operational Current AC-15	(220 / 240 V) 1.5 A (24 / 127 V) 3 A
Rated Frequency	Auxiliary Circuit 50 Hz Auxiliary Circuit 60 Hz
Rated Short-time Withstand Current	for 0.1 s A for 1 s A
Maximum Electrical Switching Frequency	AC-15 1200 cycles per hour DC-13 900 cycles per hour
Rated Insulation Voltage	acc. to UL/CSA 300 V acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 400 V
Maximum Mechanical Switching Frequency	1800 cycles per hour
Secondary Rated Impulse Withstand Voltage	4 kV
Rated Operational Current DC-13	(24 V) 1 A / 24 W
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20

Classifications

ETIM 4	EC002498 - Accessories for low-voltage switch technology

by ABB

Classifications

ETIM 6.0	EC002060 - Timer block
ETIM 7	EC002060 - Timer block
ETIM 5.0	EC002498 - Accessories for low-voltage switch technology

Dimensions

Product Net Weight	0.065kg

Package Information

Package Level 1 Width	82 mm
Package Level 1 Depth / Length	56 mm
Package Level 1 EAN	3471523130654
Package Level 1 Units	box 1 piece
Package Level 2 Height	200 mm
Package Level 2 Units	box 80 piece
Package Level 2 Depth / Length	319 mm
Package Level 2 Gross Weight	5.2 kg

Ordering

Minimum Order Quantity	1