

Motor Starting Solutions

STAR Contactor Accessories

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New TEF frontal electronic timers

ABB is now introducing new frontal electronic timer for contactors and contactor relays

TEF4 electronic timers for AF contactors and NF contactor relays

TEF4 electronic timers are supplied by a direct plug-in parallel connection to the coil terminals A1 - A2 of the contactor or contactor relay.

When compared with separate timers they provide compact solution in cabinet combined with safe and cost-reduced wiring.



TEF5 electronic timers for A, AL contactors or N, NL contactor relays

TEF5 electronic timers are supplied by direct wiring to the coil terminals A1 - A2 of the contactor or contactor relay.



Ordering details

For contactors, contactor relays	Time delay range selected by switch	Delay type	Rated control circuit voltage Uc V 50/60 Hz or DC	Auxiliary contacts		Type	Weight Pkg (1 pce)
							
AF09 ... AF38 NF	0.1...1 s	ON-delay	24...240	1	1	TEF4-ON	0.065
	1...10 s	OFF-delay	24...240	1	1	TEF4-OFF	0.065
	10...100 s						
A9 ... A75 AF45 ... AF75 (T)AL9 ... (T)AL40 (T)AE9 ... (T)AE75 N, NE, NL, TNL	0.1...1 s	ON-delay	24...240	1	1	TEF5-ON	0.065
	1...10 s	OFF-delay	24...240	1	1	TEF5-OFF	0.065
	10...100 s						

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Timing function

TEF.. electronic timers are front-mounted and locked on contactors or contactor relays.

TEF.. frontal electronic timers are used for realizing timing function and are available in ON-delay or OFF delay versions.

A mechanical indicator allows showing the contactor state.

Available for a wide control voltage range 24...240 V AC/DC

TEF..-ON or TEF..-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.

Built-in surge protection

TEF .. have an integrated varistor for protection against surges in the contactor coil.

Main benefits:

- One device for 3 setting ranges
- Easy to read, easy to set
- Built-in surge protection
- Reliable
- Cost reduced wiring
- Wide control voltage range 24 ... 240V
- More accurate than pneumatic timer
- Less sensitive than pneumatic timer to environment conditions
- No setting alterations over the time

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