

EF19, EF45 electronic overload relays

0.10 to 45.0 A

For direct coupling to AF09 ... AF38 3-pole contactors



EF19-18.9



EF45-30



DB19EF



KPR-101L

Description

The EF19 and EF45 are self-supplied electronic overload relays, which means no extra external supply is needed. It offers reliable protection for motors in the event of overload or phase failure. Easy to use like a thermal overload relay and compatible with standard motor applications, the electronic overload relay is convincing, above all, due to its wide setting range, high accuracy, high operational temperature range and the possibility to select a trip class (10E, 20E, 30E). Further features are the temperature compensation, trip contact (N.C.), signal contact (N.O.), automatic or manual reset selectable, trip-free mechanism, STOP and TEST function and a trip indication. The overload relays are connected directly to the contactors.

Ordering details

Setting range	For contactors	Trip class	Catalog number	Global reference code	Weight (1 pce) kg
A					
EF19 electronic overload relays					
0.10 ... 0.32	AF09 ... AF38	10E, 20E, 30E	EF19-0.32	1SAX121001R1101	0.158
0.30 ... 1.00	AF09 ... AF38	10E, 20E, 30E	EF19-1.0	1SAX121001R1102	0.158
0.80 ... 2.70	AF09 ... AF38	10E, 20E, 30E	EF19-2.7	1SAX121001R1103	0.158
1.90 ... 6.30	AF09 ... AF38	10E, 20E, 30E	EF19-6.3	1SAX121001R1104	0.158
5.70 ... 18.9	AF09 ... AF38	10E, 20E, 30E	EF19-18.9	1SAX121001R1105	0.158
EF45 electronic overload relays					
9.00 ... 30.0	AF09 ... AF38	10E, 20E, 30E	EF45-30	1SAX221001R1101	0.362
15.0 ... 45.0	AF09 ... AF38	10E, 20E, 30E	EF45-45	1SAX221001R1102	0.362

Ordering details accessories

For thermal overload relays	Description	Catalog number	Global reference code	Weight (1 pce) kg
A				
EF19	Single mounting kit	DB19EF	1SAX101910R1001	0.042
EF19, EF45	Reset push button (1)	KPR-101L	1SFA616162R1014	0.019

(1) Note: for more information see catalog 1SXU000023C0202 Rev. A.

Main dimensions mm, inches

