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Dimensions

EMR measuring and monitoring relays 22

Our product range of measurement and monitoring relays has been partially updated.

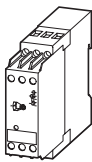
Old device	Old article no.	New device	New article no.
EMR4-W500-2-C	221785	EMR5-W500-1-D	134221
EMR4-W500-2-D	221786	EMR5-W500-1-D	134221
EMR4-W580-2-D	221787	EMR5-AWM720-2	134236
EMR4-A400-1	221788	EMR5-A400-1	134222
EMR4-AW300-1-C	290243	EMR5-AW300-1-C	134223
EMR4-AW500-1-D	290244	EMR5-AW500-1-D	134224
EMR4-AWN170-1-E	290245	EMR5-AWN170-1-E	134225
EMR4-AWN280-1-F	290246	EMR5-AWN280-1-F	134226
EMR4-W300-1-C	290182	EMR5-W300-1-C	134227
EMR4-W500-1-D	290183	EMR5-W500-1-D	134221
EMR4-W380-1	290184	EMR5-W380-1	134228
EMR4-W400-1	290185	EMR5-W400-1	134229
EMR4-A300-1-C	290180	EMR5-A300-1-C	134230
EMR4-A500-1-D	290181	EMR5-A400-1	134222

This table provides assistance in replacing EMR4 articles with current EMR5 products.

Electronic relays

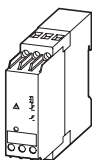
Measuring and monitoring relays

Ordering



Current monitoring relays EMR4-I..., single-phase

	Current measurement range	Contact sequences	Supply voltage connection	Part no. Article no.	Price See price list	Std. pack
	I~ / I=					
	A					
Load limit curves → Page 7						
Circuit and contact sequence diagrams → Instructional leaflet (AWA) under www.eaton.com						
- Switching hysteresis adjustable from 3 - 30 % - Response delay 0.1 - 30 s - Monitoring of one upper or lower limit - Extension of the measurement range possible with current transformers	3 - 30 mA 10 - 100 mA 0.1 - 1 A 0.3 - 1.5 A 1 - 5 A 3 - 15 A		24 - 240 V AC, 50/60 Hz 24 - 240 V DC 24 - 240 V AC, 50/60 Hz 24 - 240 V DC 220 - 240 V AC, 50/60 Hz	EMR4-I1-1-A 106942 EMR4-I15-1-A 106943 EMR4-I15-1-B 106944	1 off 1 off 1 off 	



EMR4-F... phase sequence relay

	Monitoring voltage per phase	Contact sequences	Supply voltage connection	Part no. Article no.	Price See price list	Std. pack
	U _N					
	V AC					
Load limit curves → Page 7						
Circuit and contact sequence diagrams → Instructional leaflet (AWA) under www.eaton.com						
- Monitors three-phase systems for phase sequence and phase failure (< 0.6 x U_e) - Supply voltage connection = monitored voltage	200 - 500 V AC, 50/60 Hz		200 - 500 V AC, 50/60 Hz	EMR4-F500-2 221784	1 off 	

EMR5-A... phase imbalance monitoring relays

	Threshold value	Contact sequences	Supply voltage connection	Part no. Article no.	Price See price list	Std. pack
Load limit curves → Page 7						
Circuit and contact sequence diagrams → Instructional leaflet (AWA) under www.eaton.com						
Power supply from measuring circuit Three-phase monitoring - Phase sequence - Phase failure - Asymmetry - Imbalance threshold values adjustable 2 - 25 % of mean value of phase voltages - On-delay: None = 0 or adjustable from 0.1 to 30 s	Imbalance = 2 - 25 % of phase voltage mean value		160 - 300 V AC, 50/60 Hz	EMR5-A300-1-C 134230	1 off 	
Power supply from measuring circuit Three-phase monitoring - Phase sequence - Phase failure - Asymmetry - Imbalance threshold values adjustable - On-delay: None = 0 or adjustable from 0.1 to 30 s	Imbalance = 2 - 25 % of phase voltage mean value		300 - 500 V AC, 50/60 Hz	EMR5-A400-1 134222	1 off 	

Notes

Information relevant for export to North America

Product Standards	IEC 255-6; UL 508; CSA-22.2 No. 14-05; CE marking
UL File No.	E29184
UL CCN	NKCR, NKCR7
CSA File No.	UL report valid
CSA Class No.	3211-03
NA Certification	UL Listed, Certified by UL for use in Canada
Degree of Protection	IEC: IP20, UL/CSA Type: -