

Datasheet

Art.No. 81.030.0110.0

Monitoring relay

current measuring relays for monitoring the lower and upper limit values of single-phase current in the frequency range 45 - 400Hz, measurable waveform DC and sinus, measuring range AC/DC 0,01 - 10A, rated voltage AC/DC 24-230V AC 50 - 60Hz, open-circuit or closed-circuit principle, hysteresis 50...95% adjustable from upper threshold value, switching delay is exceeded adjustable 0-10s; W x H x D: 22,5 × 96,5 × 114 mm



Art.No.	81.030.0110.0
EAN	4049088159800
Order unit	1 pieces

Approvals



Technical data

General

Connection type	Screw connection
Number of change-over contacts	2
Detachable clamps	Yes

Technical data

Measuring range	0,1 / 1 / 10 A
Upper threshold	10...100 % of measuring range
Lower threshold	50...95 % of upper threshold
Signal shape	DC and sinus
Rated frequency min.	45 Hz
Rated frequency max.	400 Hz
Rated consumption AC	4 VA
Rated consumption DC	2 W
Input voltage AC min.	20.4 V
Input voltage AC max.	264 V
Input voltage DC min.	20.4 V
Input voltage DC max.	264 V
Electrical isolation supply circuit - control circuit	Yes
Function	Closed circuit or operating circuit principle
Time delay at exceeding the threshold	0 / 0,1 / 0,5 / 2 / 10 s
Switching current	5 A
Mechanical life time	20 x 10 ⁶
Electrical life time AC1	0,1 x 10 ⁶
Isolation voltage	2 kV

Wire range solid/fine-stranded	0,14 - 1,5 mm ² / 0,14 - 2,5 mm ²
Degree of protection (IP)	IP20
Mounting method	DIN rail (top hat rail) 35 mm
Operating temperature min.	-20 °C
Operating temperature max.	55 °C
Max. rated frequency	

Dimensions

Depth	114 mm
Width	22.5 mm
Height	96.5 mm