Your contact:
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Series 869

Current controller



Unique Selling Point

- Top-hat rail mounting
- Screw terminal connection
- Standard housing
- Simple installation
- Twofold overload capability
- Separate switching output with relay
- Adjustable current switching threshold and switching hysteresis
- No additional losses in the measuring circuit
- Status display with LED
- Operating or closed-circuit operation
- Safe electrically isolated primary and secondary circuits

Description

The type 869 current relay converts signals into digital form. The set current is monitored inductively on the line fed through the housing. If the set current is exceeded, the inbuilt relay switches over. The switching threshold is set coarsely via DIP switches (within the device) and precisely with a front-mounted potentiometer.

To prevent the relay “fluttering” around the switching point, switching hysteresis can be set. The relay can provide Normally Open or Normally Closed contacts.

Application area

- Industry
- Metrology and testing techniques
- Energy, automation and building technology

Technical Data

Last modified: 27.03.2018. All data is provided to the best of our knowledge and awareness and is subject to error and amendment.

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Technical data

Type 869		
Input		
Input current	0 up to 16	[A]
Frequency range	45...50...65	[Hz]
Curve shape	Sinusoidal	
Overcurrent capability	2 x IN constantly	
Connection type	Push-through connection Ø 4,2 mm	
Switching output		
Relay output	1 changeover contact	
Max. switching voltage	250	[V]
Max. switching current	2	[A]
Switching hysteresis	adjustable via DIP switches	
Delay time	typ. 0,1...10	[sec]
Operating and closed-circuit behaviour	adjustable via DIP switches	
Relay status display	amber LED (relay active)	
General data		
Supply voltage	20 up to 30	[Vdc]
Max. current consumption	< 30	[mA]
Precision of adjustment	typ. < 0,5	[%]
Signal acquisition time	40	[ms]
Ambient temperature range	0 up to +40	[°C]
Protection	IP 20	
Installation position	Any	
Supply/relay connection type	Screw terminal 2,5 mm2	
Insulation test voltage	3	[kVac]

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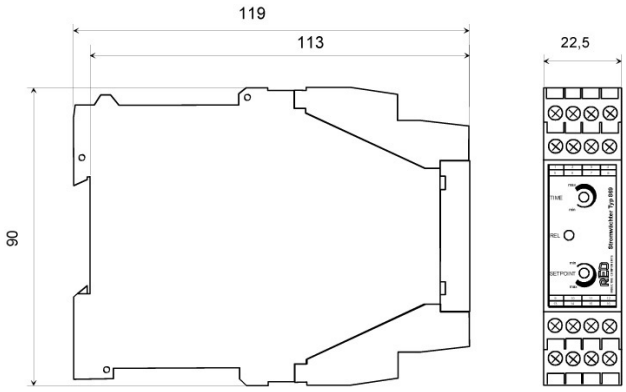
Dimension drawings



DIP switch

Current	S8	S7	S6	S5
0...1 A	1	1	1	1
1...2 A	1	1	1	0
2...3 A	1	1	0	1
3...4 A	1	1	0	0
4...5 A	1	0	1	1
5...6 A	1	0	1	0
6...7 A	1	0	0	1
7...8 A	1	0	0	0
8...9 A	0	1	1	1
9...10 A	0	1	1	0
10...11 A	0	1	0	1
11...12 A	0	1	0	0
12...13 A	0	0	1	1
13...14 A	0	0	1	0
14...15 A	0	0	0	1
15...16 A	0	0	0	0

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