

Trip amplifier

2/209

SIL3

- 4-channel
- Input 0/4 mA ... 20 mA
- 4 relay contact outputs
- Programmable
- Simple operation via front buttons
- Lead monitoring
- Galvanic isolation between input, power supply and contact output
- With computational function SIL3
- LCD display
- Self-monitoring

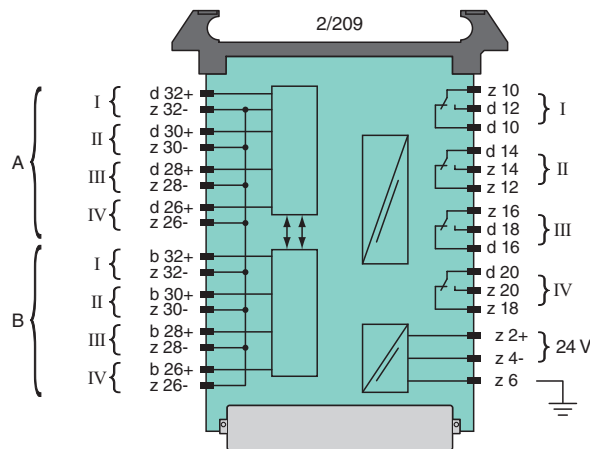
Trip amplifier with 1-4 trip values



Function

The programmable self-monitoring device is used to line monitor external set points, gradients, ratios or min/max selections. Set points are programmable via front push-buttons or PC. Input, power supply and relay contact output are galvanically isolated.

Connection



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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.com

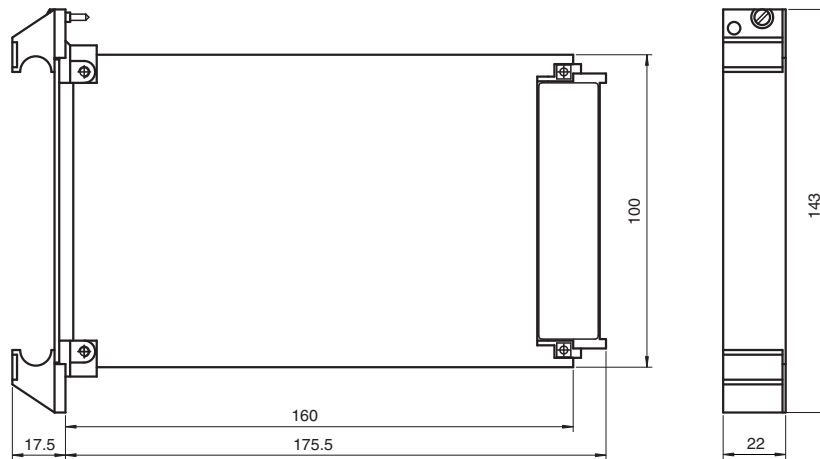
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PF PEPPERL+FUCHS

Dimensions



Technical Data

General specifications

Signal type Analog input

Supply

Connection z2+, z4-, z6 (PE)

Rated voltage U_r 18 ... 30 V DC
18 ... 26.4 V AC 48 ... 62 Hz

Power consumption 2 W / 2.5 VA

Input

Connection Input A I: d32+, z32-
Input A II: d30+, z30-
Input A III: d28+, z28-
Input A IV: d26+, z26-
Input B I: b32+, z32-
Input B II: b30+, z30-
Input B III: b28+, z28-
Input B IV: b26+, z26-

Input resistance 50 Ω (mA)
10 k Ω (V)

Current range 0/4 ... 20 mA (0/1 ... 5 V)

Output

Connection Output I: z10, d12, d10
Output II: d14, z14, z12
Output III: z16, d18, d16
Output IV: d20, z20, z18

Relay

Switching voltage 50 V
Switching current 2 A AC/DC
Switching power 500 VA / 60 W
Mechanical life 50 Mio. cycles
Electrical life 0.5 Mio. cycles
Response time > 20 ms (variable)

Transfer characteristics

Temperature influence < 0.1 %/10 K

Indicators/settings

Display elements LED 1: trip value 1
LED 2: trip value 2
LED 3: trip value 3
LED 4: trip value 4
LED green: Power on

Configuration via RS-485 interface at the front side

Directive conformity

Electromagnetic compatibility

Directive 2004/108/EC EN 61326-1:2006

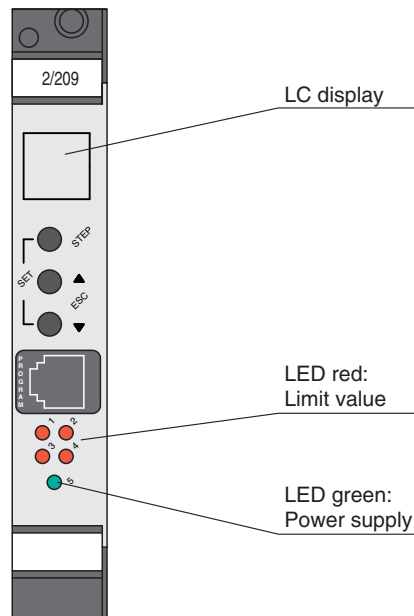
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Technical Data

Ambient conditions	
Ambient temperature	-10 ... 60 °C (14 ... 140 °F)
Storage temperature	-25 ... 80 °C (-13 ... 176 °F)
Relative humidity	< 75 % (annual mean) < 95 % (30 d/year), no moisture condensation
Mechanical specifications	
Mass	300 g
Dimensions	22 x 143 x 193 mm (0.9 x 5.6 x 7.6 inch)
Construction type	Eurocard 100 x 160 mm (3.9 x 6.3 inch) acc. to DIN 41494, front panel 4TE, mountable in 19 inch rack
Certificates and approvals	
SIL classification	SIL3 (IEC 61508) TÜV Rheinland 968/EL 292-03/08
General information	
Supplementary information	Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-fuchs.com .

Assembly

Front view



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