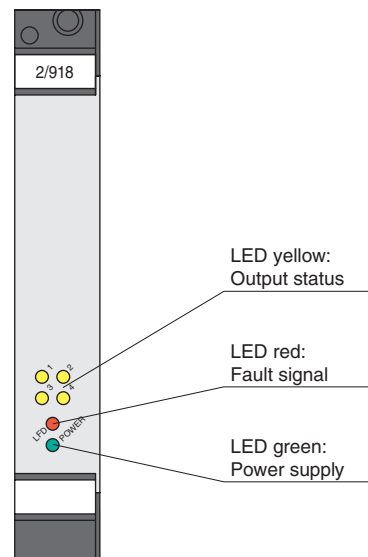


**Features**

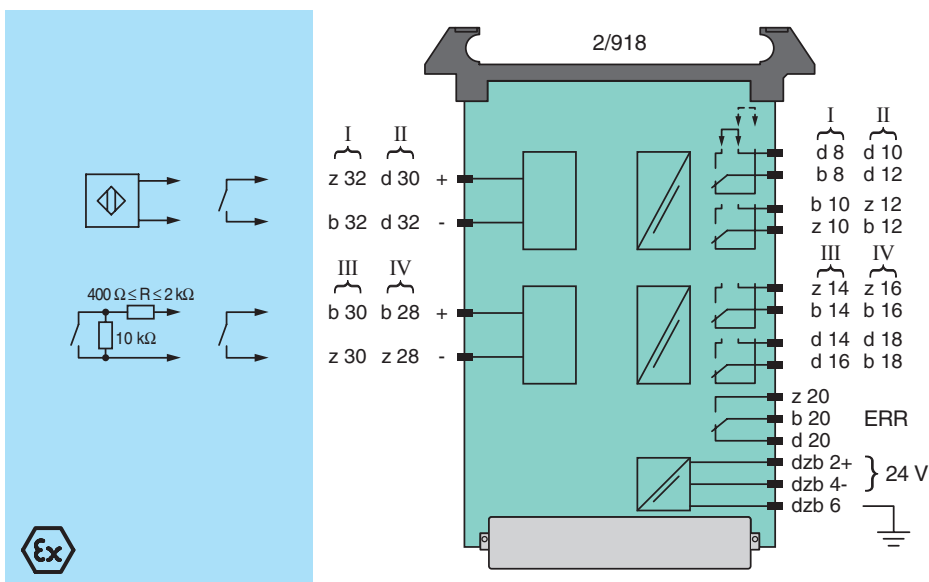
- 4-channel isolated barrier
- 4 relay contact outputs
- Input circuit suitable for mechanical contactor, 2-wire initiators acc. to DIN 19234 respectively NAMUR or photoelectric encoders
- Optional internal invertibility of functionality
- Lead breakage monitoring disengageable for each individual channel
- LED status indicator on front side
- Galvanic isolation between each input circuits, relay contacts and power supply

**Assembly**

Front view




**Connection**



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

<b>General specifications</b>		
Signal type		Digital Input
<b>Supply</b>		
Connection		dzb2+, dzb4-, dzb6 (PE)
Rated voltage	$U_r$	20.4 ... 30 V DC
Power consumption		1 W (2 Channels) / 1.8 VA (4 channels)
<b>Input</b>		
Connection		Input I: z32+, b32- Input II: d30+, d32- Input III: b30+, z30- Input IV: b28+, z28-
Input frequency		max. 20 Hz
<b>Output</b>		
Connection		Output I: b8, d8; b10, z10 Output II: d10, d12; z12, b12 Output III: z14, b14; d14, d16 Output IV: z16, b16; d18, b18 Output LFD: b20, d20, z20
Relay		max. 4 relays with double contacts, optional configurable as NC or NO
Switching voltage		50 V
Switching current		2 A
Switching power		120 VA / 60 W
Mechanical life		10 Mio. cycles
<b>Indicators/settings</b>		
Display elements		LED POWER (power supply), one green LED LED STATUS (output status), one yellow LED per channel LED LFD (fault signal), one red LED
<b>Directive conformity</b>		
Electromagnetic compatibility		
Directive 2004/108/EC		The device has been used for the same applications for several years. It therefore features an appropriate electromagnetic field immunity. The device must not be used in new plants.
<b>Conformity</b>		
Degree of protection		IP20
<b>Ambient conditions</b>		
Ambient temperature		-20 ... 60 °C (-4 ... 140 °F)
Storage temperature		-40 ... 80 °C (-40 ... 176 °F)
Relative humidity		< 75 % (annual mean) < 95 % (30 d/year), no moisture condensation
<b>Mechanical specifications</b>		
Mass		140 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
Coding		01/10/15 (4 channels) 01/10/14 (2 Channels)
<b>Data for application in connection with hazardous areas</b>		
EU-Type Examination Certificate		TÜV 99 ATEX 1483 X
Marking		 II (1) GD [EEx ia] IIC
Voltage	$U_o$	< 13.3 V
Current	$I_o$	≤ 48 mA (4 channels) ≤ 32 mA (2 Channels)
Power	$P_o$	≤ 150 mW (4 channels) ≤ 100 mW (2 Channels)
<b>General information</b>		
Supplementary information		EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see <a href="http://www.pepperl-fuchs.com">www.pepperl-fuchs.com</a> .

**Ordering information**

Type	Channels	Ex protection	Model number
2/918	2	ia/ib	GHG 122 2121 E 1009
2/918	4	ia/ib	GHG 122 2141 E 1009
2/918	4	-	GHG 122 2041 E 1009

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