

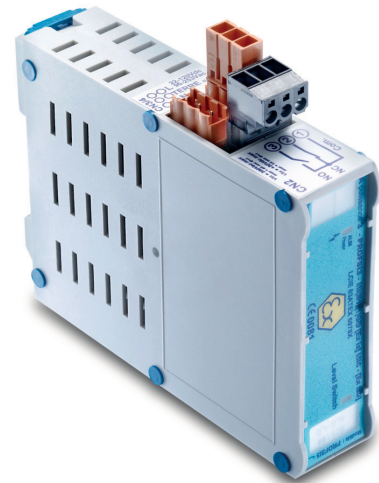
PROFSI3

Switching repeater (CleverLevel Ex i)

Article number: 11049888

Overview

- Switching repeater for CleverLevel Ex i installations
- ATEX certified
- Galvanically isolated, intrinsically safe field circuit
- Accepts one PNP output from LFFS, LBFS, LBFH or LBF1
- Relay output with changeover contact
- LED activity indicator
- Fail safe switching logic
- Wide supply voltage range (22 V DC ... 253 V AC)
- Plug-in screw terminals



Technical data

Ambient conditions

Operating temperature range	-20 ... 60 °C
Storage temperature range	-40 ... 80 °C
Degree of protection (EN 60529)	IP 20
Humidity	< 80 % , non-condensing

Input signal

Min. threshold voltage	5 V DC
Impedance	≥ 5080 Ω

Output signal

Characteristic	SPDT relay contact (single pole, double throw)
Current rating	4 A @ 250 V AC 1 A @ 30 V DC
Contact resistance	< 0,1 Ω @ < 100000 switching cycles
Durability	> 20000000 switching cycles

Housing

Style	DIN EN 60715 standard rail TH35 Snap-on mounting
Overall size	29 x 90 x 120 mm
Material	Polyamide
Weight	200 g

Electrical connection

Connector	3-pin plug-in terminals (4 x)
Power bus	Plug-in terminals for loop through (2 x)
Included accessories	Plug-in screw terminal blocks (3 x) Power bus jumper, cable set (1 x) Dummy plug for protection against contact (1 x)

Electrical connection

Max. wire gauge	2,5 mm ²
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Power supply

Voltage supply range	22 ... 120 V DC 90 ... 253 V AC , 50 ... 60 Hz
Power consumption	3 W , max.
Reverse polarity protection	Yes

ATEX I/II (M1) (1)G/D [Ex ia] I/IIC – [Ex iaD]

Please note	For the application in Ex zone you have to respect the conditions mentioned in the ATEX Type Examination Certificate (LCIE 03 ATEX 6078X). You will find the relevant certificates and instructions at www.baumer.com
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Maximum output voltage, U _o	25,2 V DC
Maximum output current, I _o	99 mA
Maximum output power, P _o	623 mW
Max. external capacitance, C _o	107 nF , for IIC 820 nF , for IIB
Max. external inductance, L _o	3 mH , for IIC 11 mH , for IIB

Compliance and approvals

EMC	EN 61326-1
Explosion protection	ATEX I/II (M1) (1)G/D [Ex ia] I/IIC – [Ex iaD]

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Electrical connection

Hazardous area

Safe area

Switching sensor with PNP output

Ex i isolator
Baumer code: BISOSW1

Control equipment

