

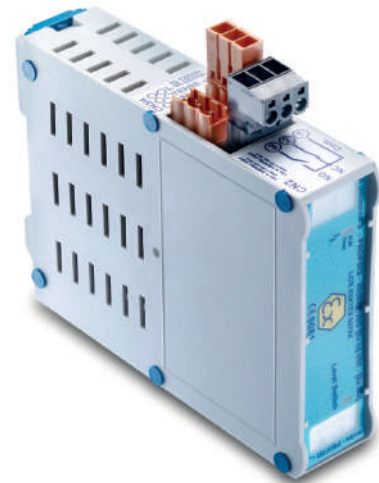
# PROFSI3

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 <sup>2</sup>
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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](http://www.baumer.com)

Maximum output voltage, U <sub>o</sub>	25,2 V DC
Maximum output current, I <sub>o</sub>	99 mA
Maximum output power, P <sub>o</sub>	623 mW
Max. external capacitance, C <sub>o</sub>	107 nF , for IIC 820 nF , for IIB
Max. external inductance, L <sub>o</sub>	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

