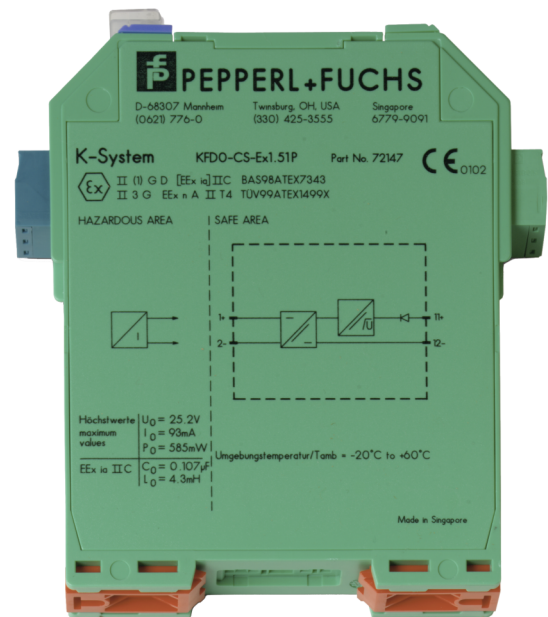


GBX2000

I.S. Isolated barrier for conventional systems (P&F KFD0-CS-Ex1.51P)



Details

- Approved with the IU2055 zone monitor unit
- Output EEx ia IIC
- Device installation permissible in zone 2
- Polarity reversal protected
- Accuracy 1%
- EMC acc. to NAMUR NE 21
- Up to SIL2 acc. to IEC 61508

GBX2000

I.S. Isolated barrier for conventional systems (P&F KFD0-CS-Ex1.51P)

Technical specifications

Electrical

Operating voltage	4 to 35 VDC
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Physical

Physical dimensions	20 x 107 x 115 mm
Net weight	± 100 g
Mounting type	DIN-rail

Environmental

Operating temperature	-20 to +60°C
Environment	Indoor, IS
IP rating	IP20

Regulatory

Certification	CENELEC/ATEX
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Inputs/outputs (intrinsically safe)

Voltage	for 4 V < Uin < 24 V: $\geq U_{in} - (0.37 \times \text{current in mA}) - 1.0$ for Uin > 24 V: $= 21 \text{ V} - (0.36 \times \text{current in mA})$
Short-circuit current	at Uin > 24 V: $\geq 65 \text{ mA}$
Transfer current	$\leq 40 \text{ mA}$
Current	0 to 40 mA
Power loss	at 40 mA and Uin < 22 V: 700 mW at 40 mA and Uin > 22V: 1.2 W

Group, category, type of protection

II (1) G D [EEx ia] IIC (-20°C ≤ Tamb ≤ 60°C)

Type of protection [EEx ia]

Explosion group	IIA	IIB	IIC
External capacitance	2.9 µF	0.82 µF	0.107 µF
External inductance	33 mH	18 mH	4.3 mH