

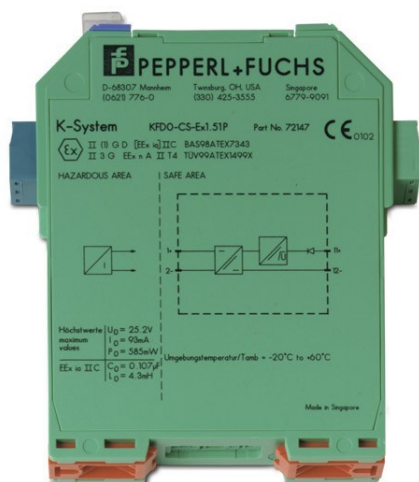
DATASHEET

GBX2000

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

MAIN FEATURES

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



TECHNICAL SPECIFICATIONS

Power supply

Operating voltage	4 to 35 VDC
Voltage	for $4\text{ V} < U_{in} < 24\text{ V}$: $\geq U_{in} - (0.37 \times \text{current in mA}) - 1.0$ for $U_{in} > 24\text{ V}$: $= 21\text{ V} - (0.36 \times \text{current in mA})$
Short-circuit current	at $U_{in} > 24\text{ V}$: $\geq 65\text{ mA}$
Transfer current	$\leq 40\text{ mA}$
Current	0 to 40 mA
Power loss	at 40 mA and $U_{in} < 22\text{ V}$: 700 mW at 40 mA and $U_{in} > 22\text{ V}$: 1.2 W

Physical characteristics

Physical dimensions	20 x 107 x 115 mm
Net weight	$\pm 100\text{ g}$
Mounting type	DIN-rail

Environmental characteristics

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

Other characteristics

Certification	CENELEC/ATEX
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