



# Pepperl & Fuchs

## KF Series Analogue Input Transformer Isolation Barriers



### Certification Information

- \* Certification Number: see tables
- \* Approved to II (1) GD [EEx ia] IIC
- \* Ingress Protection IP20
- \* Ambient Temperature Range -20°C to +60°C

### Features

- \* Polycarbonate construction
- \* Provide galvanic isolation between Ex and Safe areas
- \* 35mm DIN rail mounting
- \* Blue terminals indicate I.S. circuit
- \* Green terminals indicate DC power supply
- \* Black terminals indicate AC power supply
- \* Grey terminals indicate universal power supply (24V DC - 230V AC)
- \* All terminals are removable

\* **Must be installed in a safe area**

### Temperature Converters & Repeaters (24V DC Powered or Power Rail)

Part Number	No. of Channels	Field Input	Control Output	Certification Number
		Ex Area	Safe Area	
KFD2-UT2-EX1	1	RTD, TC, Potentiometer, Voltage	0/4 - 20mA	CESIO4ATEX143
KFD2-UT2-EX2	2	RTD, TC, Potentiometer, Voltage	2 x 0/4 - 20mA	CESIO4ATEX143
KFD2-RR-EX1	1	RTD	Resistance	BAS01ATEX7282
KFD2-PT2-EX1	1	3/4/5 Wire, Potentiometer	0 - 10V	BAS00ATEX7171
KFD2-PT2-EX1-1	1		0 - 5V	BAS00ATEX7171
KFD2-PT2-EX1-5	1		4 - 20mA	BAS00ATEX7171

### Temperature Converters with Trip Values (24V DC Powered or Power Rail)

Part Number	No. of Channels	Field Input	Control Output	Certification Number
		Ex Area	Safe Area	
KFD2-GU-EX1	1	RTD, TC, Voltage, Current	2 x Relay	BAS98ATEX7152
KFD2-GUT-EX1.D	1	RTD, TC, Potentiometer, Voltage, Current	0/4 - 20mA 2 x Relay	TUV03ATEX2140

### Temperature Converters with Trip Values (48 - 253V AC/20 - 90V DC Powered)

Part Number	No. of Channels	Field Input	Control Output	Certification Number
		Ex Area	Safe Area	
KFU8-GUT-EX1.D	1	RTD, TC, Potentiometer, Voltage, Current	0/4 - 20mA 2 x Relay	TUV03ATEX2140

### Temperature Converters & Repeaters (Loop Powered)

Part Number	No. of Channels	Field Input	Control Output	Certification Number
		Ex Area	Safe Area	
KFD0-TR-EX1	1	Pt100 RTD	4 - 20mA	ZELM00ATEX0036
KFD0-TT-EX1	1	TC		ZELM00ATEX0035

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