



# Pepperl & Fuchs

## KF Series Analogue Input Transformer Isolation Barriers



### Certification Information

- \* Certification Number: see tables
- \* Approved to II (1) GD [Exia] 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**

### SMART Transmitter Power Supplies (24V DC Powered or Power Rail)

Part Number	No. of Channels	Field Input	Control Output	Certification Number
		Ex Area	Safe Area	
KFD2-STC3-EX1	1	2 Wire SMART Transmitter or Current Source (4 - 20mA)	4 - 20mA	BAS01ATEX7369
KFD2-STC4-EX1	1		0/4 - 20mA	BAS99ATEX7060
KFD2-STC4-EX1.20	1		2 x 0/4 - 20mA	BAS99ATEX7060
KFD2-STC4-EX2	2		2 x 0/4 - 20mA	BAS99ATEX7025
KFD2-STV3-EX1-2	1	2 Wire SMART Transmitter	2 - 10V DC	BAS01ATEX7369
KFD2-STV4-EX1-2	1		0/2 - 10V DC	BAS99ATEX7060
KFD2-STV4-EX1.20-2	1		2 x 0/2 - 10V DC	BAS99ATEX7060
KFD2-STV4-EX2-2	2		2 x 0/2 - 10V DC	BAS99ATEX7025

### Transmitter Power Supplies (24V DC Powered or Power Rail)

Part Number	No. of Channels	Field Input	Control Output	Certification Number
		Ex Area	Safe Area	
KFD2-CRG-EX1.D	1	2 Wire Transmitter or Current Source (4 - 20mA)	0/4 - 20mA 2 x Relay	TUV01ATEX1701

Zone 0  
See Approvals

Zone 1  
See Approvals

Zone 2  
See Approvals

Zone 20  
See Approvals

Zone 21  
See Approvals

Zone 22  
See Approvals

IEC Ex  
X

### Transmitter Power Supplies 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-CRG2-EX1.D	1	2 Wire Transmitter or Current Source (4 - 20mA)	0/4 - 20mA 2 x Relay	TUV01ATEX1701

### Voltage Repeaters (24V DC Powered or Power Rail)

Part Number	No. of Channels	Field Input	Control Output	Certification Number
		Ex Area	Safe Area	
KFD2-VR-EX1.18	1	0 to -12V DC	0 to -12V DC	BAS01ATEX7262
KFD2-VR-EX1.19	1	0 to ±10V DC	0 to ±10V DC	BAS01ATEX7262
KFD2-VR4-EX1.26	1	0 to -20V DC	0 to -20V DC	BAS02ATEX7206
KFD2-VR2-EX1.50M	1	0 to ±50mV DC	0 to ±50mV DC	BASEEFA06ATEX0040

**Leeds**

Tel: 0113 243 0203

**Sheffield**

Tel: 0114 243 1841

**Gateshead**

Tel: 0191 460 2233

**Manchester**

Tel: 0161 876 4337

**Glasgow**

Tel: 0141 892 0166

**Walsall**

Tel: 01922 403426

e-mail: [sales@scatts.co.uk](mailto:sales@scatts.co.uk)

web: [www.scatts.co.uk](http://www.scatts.co.uk)



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