



**SCATTERGOOD
& JOHNSON LTD**



ELECTRICAL ENGINEERING AND FLUID CONTROL DISTRIBUTORS

Pepperl & Fuchs

(3 of 4)

Zone 1 Galvanic Isolators

K Series Galvanic Isolators

Certification Information

The certificate number, the approval and the ambient temperature vary for each barrier.

Features

Galvanic isolation of signals between hazardous and safe area.

Wide range of barriers and signal conversion for various applications available.

Connection to power rail available on most barrier types.

Removable blue terminals on Ex side, removable green terminals on safe side.

Please note that the certification values of the I.S. instrument should be taken into consideration when selecting a barrier, please contact the hazardous area department for further information.



Temperature Converters		Supply Voltage 20-35V DC / Power Rail	
Order Reference	Description	Price	Function
KFD2-UT-EX-1	Temperature Converter, 4-20mA Output	Refer	Converts PT100, Ni 100 and Thermocouple inputs and provides a proportional analogue output.
KFD0-TR-EX1	Temperature Converter, 0/4-20mA Output	P.O.A.	Converts DIN43760 sensors to an analogue output.
KFD0-TT-EX1	Temperature Converter, 0/4-20mA Output	P.O.A.	Converts thermocouples inputs to an analogue output.

Resistance Repeaters & Converters		Supply Voltage 20-35V DC / Power Rail	
Order Reference	Description	Price	Function
KFD2-RR-EX1	Temperature Repeater, 2-, 3-or 4-wire sensors	P.O.A.	Transfers the resistance of a temperature sensor
KFD2-PT2-EX1	Resistance Repeater, 0-10v Output	P.O.A.	Converts the resistance from a 800Ω Potentiometer
KFD2-PT2-EX1.5	Resistance Repeater, 0-5v Output	P.O.A.	and converts the signal to an analogue output.

Weight & Strain Gauge Amplifier		Supply Voltage 20-35V DC / Power Rail	
Order Reference	Description	Price	Function
KFD2-WAC-EX1	Strain Gauge Transmitter, 0/4-20mA Output	Refer	Powers, isolates and converts the input signal

Voltage Repeaters		Supply Voltage 20-35V DC / Power Rail	
Order Reference	Description	Price	Function
KFD2-VR-EX1.18	Voltage Repeater, 0-12V	P.O.A.	Transfers the applied input voltage from the device mounted in the hazardous area to the safe area.
KFD2-VR2-EX150M	Voltage Repeater, 0-+/-50mv	P.O.A.	
KFD2-VR4-EX1.26	Voltage Repeater, 0-20V	P.O.A.	

Current/Voltage Repeaters		Supply Voltage 20-35V DC / Power Rail	
Order Reference	Description	Price	Function
KFD2-CD-EX1.32	Voltage/Current Repeater	P.O.A.	Transmits an electrical signal from the safe area to the hazardous area, voltage to current and current to voltage conversion is possible.
KFD2-CD-EX1.328	Voltage/Current Repeater	P.O.A.	

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Est.1899

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Working with a range of quality product suppliers across a number of specialist markets, we are not your average 'box shifter' - we are your technical and supply chain partner.

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