



**SCATTERGOOD
& JOHNSON LTD**
ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS

Est.1899

Pepperl & Fuchs

KF Series Analogue Output Transformer Isolation Barriers



Certification Information

- * Certification Number: see tables
- * Approved to II (1) GD [EEx ia] IIC
 II (2) G [EEx ib] IIC (KFD0-SCS-EX1.55)
- * 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**

Current Driver/Repeater Barriers (Loop Powered)

Part Number	No. of Channels	Control Input	Field Output	Certification Number
		Safe Area	Ex Area	
KFD0-CS-EX1.50P	1	4 - 20 mA	4 - 20 mA	BAS98ATEX7343
KFD0-CS-EX1.51P	1	0 - 40 mA	0 - 40 mA	BAS98ATEX7343
KFD0-CS-EX2.50P	2	4 - 20 mA	4 - 20 mA	BAS98ATEX7343
KFD0-CS-EX2.51P	2	0 - 40 mA	0 - 40 mA	BAS98ATEX7343
KFD0-SCS-EX1.55	1	4 - 20 mA	4 - 20 mA (HART)	PTB02ATEX2064

Current Driver/Repeater Barriers (24V DC Powered or Power Rail)

Part Number	No. of Channels	Control Input	Field Output	Certification Number
		Safe Area	Ex Area	
KFD2-CD2-EX1	1	4 - 20 mA	4 - 20 mA	BAS00ATEX7240
KFD2-SCD-EX1.LK	1	4 - 20 mA	4 - 20 mA (HART)	BAS00ATEX7215
KFD2-SCD2-EX1.LK	1	4 - 20 mA	4 - 20 mA (HART)	BAS00ATEX7240
KFD2-SCD2-EX2.LK	2	4 - 20 mA	4 - 20 mA (HART)	BAS00ATEX7240
KFD2-CD2-EX2	2	4 - 20 mA	4 - 20 mA	BAS00ATEX7240

Current/Voltage Drivers (24V DC Powered or Power Rail)

Part Number	No. of Channels	Control Input	Field Output	Certification Number
		Safe Area	Ex Area	
KFD2-CD-EX1.32	1	0/4 - 20 mA	0/4 - 20 mA	BAS02ATEX7023
KFD2-CD-EX1.32.8	1	0 - 10V DC	4 - 20 mA	BAS02ATEX7023

Zone 0
See
Approvals

Zone 1
See
Approvals

Zone 2
See
Approvals

Zone 20
See
Approvals

Zone 21
See
Approvals

Zone 22
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Approvals

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