



Pepperl & Fuchs

KF Series Digital Output Transformer Isolation Barriers



Certification Information

- * Certification Number: see tables
- * Approved to II (1) [EExia] IIC T6
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- * 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**

Solenoid Driver Barriers (Loop Powered)

Part Number	No. of Channels	Control Input	Field Output Ex Area		Certification Number
		Safe Area	Max. Current	Limit Voltage	
KFD0-SD2-EX1.1045	1	20 - 35V DC	45mA	10V DC	BASEEFA06ATEX0252
KFD0-SD2-EX2.1045	2		45mA	10V DC	BASEEFA06ATEX0252
KFD0-SD2-EX2.1245	2		45mA	12V DC	BASEEFA06ATEX0252
KFD0-SD2-EX1.1065	1		65mA	9.8V DC	BASEEFA06ATEX0252
KFD0-SD2-EX1.1180	1		80mA	11V DC	BASEEFA06ATEX0252
KFD0-SD2-EX1.10100	1		100mA	10V DC	BASEEFA06ATEX0252

Solenoid Driver Barriers with Logic Input (24V DC Powered or Power Rail)

Part Number	No. of Channels	Control Input	Field Output Ex Area		Certification Number
		Safe Area	Max. Current	Limit Voltage	
KFD2-SL2-EX1	1	Logic 0 (0 - 5V DC) Logic 1 (16 - 30V DC)	45mA	11.7V DC	ZELM00ATEX0024
KFD2-SL2-EX1.B	1		45mA	11.7V DC	ZELM00ATEX0024
KFD2-SL2-EX1.LK	1		45mA	11.2V DC	ZELM99ATEX0015
KFD2-SL2-EX2	2		45mA	11.7V DC	ZELM00ATEX0024
KFD2-SL2-EX2.B	2		45mA	11.7V DC	ZELM00ATEX0024

Relay Modules (Loop Powered)

Part Number	No. of Channels	Control Input	Field Output Ex Area		Certification Number
		Safe Area	Type	Contacts	
KFD0-RO-EX2	2	15 - 30V DC	2 x Relay	2 x SPCO	DMT00ATEXE016

Leeds

Tel: 0113 243 0203

Sheffield

Tel: 0114 243 1841

Gateshead

Tel: 0191 460 2233

Manchester

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Glasgow

Tel: 0141 892 0166

Walsall

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Zone 0
See Approvals

Zone 1
See Approvals

Zone 2
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Zone 20
See Approvals

Zone 21
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Zone 22
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X



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