



Pepperl & Fuchs

KF Series Digital 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**

Switch Amplifiers with Relay Output (115V AC Powered)

Part Number	No. of Channels	Field Input	Control Output	Certification Number
		Ex Area	Safe Area	
KFA5-SR2-EX1.W	1	Contact/NAMUR	1 x Relay	PTB00ATEX2081
KFA5-SR2-EX1.W.LB	1		2 x Relay	PTB00ATEX2081
KFA5-SR2-EX2.W	2		2 x Relay	PTB00ATEX2081

Switch Amplifiers with Relay Output (230V AC Powered)

Part Number	No. of Channels	Field Input	Control Output	Certification Number
		Ex Area	Safe Area	
KFA6-SR2-EX1.W	1	Contact/NAMUR	1 x Relay	PTB00ATEX2081
KFA6-SR2-EX1.W.LB	1		2 x Relay	PTB00ATEX2081
KFA6-SR2-EX2.W	2		2 x Relay	PTB00ATEX2081

Switch Amplifiers with Relay Output (24V DC Powered or Power Rail)

Part Number	No. of Channels	Field Input	Control Output	Certification Number
		Ex Area	Safe Area	
KFD2-SR2-EX1.W	1	Contact/NAMUR	1 x Relay	PTB00ATEX2080
KFD2-SR2-EX1.W.LB	1		2 x Relay	PTB00ATEX2080
KFD2-SR2-EX2.W	2		2 x Relay	PTB00ATEX2080
KFD2-SR2-EX2.2S	2		2 x 2 Relay	PTB00ATEX2083
KFD2-SRA-EX4	4		4 x Relay	ZELM99ATEX0009
KFD2-SH-EX1	1		1 x Safety Relay + 1 x Relay	PTB00ATEX2042

Switch Amplifiers with Transistor Output (24V DC Powered or Power Rail)

Part Number	No. of Channels	Field Input	Control Output	Certification Number
		Ex Area	Safe Area	
KFD2-ST2-EX1.LB	1	Contact/NAMUR	2 x Active Transistor	PTB00ATEX2035
KFD2-ST2-EX2	2			PTB00ATEX2035
KFD2-SOT2-EX1.LB	1		2 x Passive Transistor	PTB00ATEX2035
KFD2-SOT2-EX2	2			PTB00ATEX2035
KFD2-SOT2-EX2.IO	2			PTB00ATEX2035

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

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