

FM Approvals
1151 Boston Providence Turnpike
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

KFD2-PT2, KFD2-CR, KFD0-CS, KFD2-SCD, KFD2-SD, KFD2-VR

Transformer Isolated Devices.

AIS / I,II,III / 1 / ABCDEFG - 116-0129 / I; Entity

NI / I / 2 / ABCD / T4

Туре	V _{oc} (V)	I _{sc} (mA)	V _t (V)	I _t (mA)	Ca (µF)	L _a (mH)
						·
KFD2-PT2-Ex1-a						
Single Channel	_	_	10.4	31.4	2.53	36.07
Potentiometer Amplifier a = 1 to 5 or blan	nk.					·
KFD2-PT2-Ex1-Y98312	_	_	10.4	46	2.53	17.23
KFD2-PT2-Ex1-1-Y107265	_	_	10.4	46	2.53	17.23
KFD2-PT2-Ex1-2-Y107266	_	_	10.4	46	2.53	17.23
KFD2-PT2-Ex1-3-Y107267	_	_	10.4	46	2.53	17.23
KFD2-PT2-Ex1-4-Y107268	_	_	10.4	46	2.53	17.23
KFD2-PT2-Ex1-5-Y107269	_	_	10.4	46	2.53	17.23
KFD2-PT2-Ex1-6-Y112844	_	_	10.4	46	2.53	17.23
	4.3	22.0	_	_	0.099	2.82
KFD2-CR-Ex 1.30-340						
Transmitter Power Supply						



Member of the FM Global Group

Туре	V _{oc} (V)	I _{sc} (mA)	V _t (V)	I _t (mA)	Ca (μF)	L _a (mH)
Terminals 1-2-3	_	_	26.0	115.0	0.099	2.82
Terminals 1-2	26.0	93.0	_	_	0.099	2.82
Terminals 1-3	26.0	56.0	_	_	0.099	2.82
Terminals 2-3	4.3	22.0	_	_	0.099	2.82
Single Channel Current Repeater	25.2	93.0	-	_	0.17	4.2
KFD0-CS-Ex 1.51P						
Single Channel	25.2	93.0	_	_	0.17	4.2
KFD2-SCD-Ex1.LK	25.2	93.0	_	_	0.107	4.30
KFD2-SD-Ex1.10100						
Single Channel Solenoid Driver, Loop Powered	17.0	271	_	_	0.375	0.28
KFD2-VR-Ex1.18	18.0	4.2	_	_	0.309	492
KFD2-VR-Ex1.19	18.0	4.2	_	_	0.309	492
KFD2-VR-Ex1.19-Y109129	15.5	7.2	_	_	0.309	492

Special Condition of Use:

Equipment Ratings:

Intrinsically safe outputs for connection to Class I, II and III, Division 1, Groups A, B, C, D, E, F and G, Entity when in stalled in accordance with drawing number 116-0129 Revision I. Nonincendive for use in Class I, Division 2 Groups A, B, C and D, temperature class T4, Ta = 60°C

FM Approved for:

Pepperl+Fuchs GmbH Lancashire, Oldham United Kingdom

^{1.} The Transformer Isolators shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.



This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

Class 3610 Class 3600	2010 1998
Class 3611	2004
Class 3810	1989

Original Project ID: 1Z2A1.AX Approval Granted: March 28, 1995

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
951016	11/03/1995		
970813	08/22/1997		
130521	06/10/2013		
3049791	June 10, 2015		

FM Approvals LLC

J. E. Marquedant 10 June 2015
Date

Manager of Electrical Systems