



Member of the FM Global Group

FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

KFD2-CRG2-Ex1.Da Transmitter Supply Isolator

AIS / I,II,III / 1 / ABCDEFG – Entity 16-554FM-12

[I/0] [Ex ia] IIC – Entity 16-554FM-12

NI / I / 2 / ABCD / T4 Ta = 60°C

I / 2 / AEx nA nC IIC T4 Ta = 60°C

a = options which do not affect intrinsic safety.

Entity Parameters

Voc (Uo)	Isc (Io)	Po	Group	Ca, Co	La, Lo
(V)	(mA)	(mW)		(µF)	(mH)
Terminals 1,2,3					
25.8	112	720	A,B, IIC	0.101	2.5
			C, E, F, G, IIB	0.78	10
			D, IIA	2.67	20
Terminals 1,3					
25.8	93.7	603	A,B, IIC	0.101	4
			C, E, F, G, IIB	0.78	15
			D, IIA	2.67	30
Terminals 2,3					
5	0.3	0.3	A,B, IIC	1000	1000
			C, E, F, G, IIB	1000	1000
			D, IIA	1000	1000

To verify the availability of the Approved product, please refer to www.approvalguide.com
 FM Approvals HLC 5/13 3033495

KFU8-CRG2-Ex1.Da Transmitter Supply Isolator

AIS / I,II,III / 1 / ABCDEFG – Entity 16-554FM-12

[I/0] [AEx ia] IIC – Entity 16-554FM-12

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			C, E, F, G, IIB	1000	1000
			D, IIA	1000	1000

Conditions of Use:

1. In Class I, Division 2 installation the Isolators shall be installed within a tool-secured enclosure which is capable of accepting one or more of the Class I, Division 2 wiring methods as specified in the National Electrical Code (ANSI/NFPA 70).
2. In Class I, Zone 2 installations the Isolators shall be installed within a tool-secured enclosure which is capable of accepting one or more of the Class I, Zone 2 wiring methods as specified in the National Electrical Code (ANSI/NFPA 70). Where installed in outdoor or potentially wet locations, the enclosure shall, at a minimum, meet the requirements of IP54. Where installed in dry, clean, indoor locations, the enclosure shall, at a minimum, meet the requirements of IP4X.

Equipment Ratings

Non-incendive for Class I, Division 2, Groups A, B, C and D; Class I, Zone 2, Group IIC, T4 in an ambient of 60°C; Associated Intrinsically Safe apparatus for connection to Class I,II,III, Division 1, Groups A, B, C, D, E, F and G; and Class I, Zone 0, AEx [ia] Group IIC; indoor hazardous (Classified) locations

FM Approved for:

Pepperl + Fuchs GmbH
Mannheim D-68307 GERMANY

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

Class 3600	2011
Class 3610	2010
Class 3611	2004
Class 3810	2005

Original Project ID: 3033495

Approval Granted: September 17, 2008

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
081022	November 30, 2009		
RR202218	August 24, 2015		

FM Approvals LLC

J.E. Marquedant
Manager, Electrical Systems

24 August 2015

Date

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