



Member of the FM Global Group

FM Approvals  
1151 Boston Providence Turnpike  
P.O. Box 9102 Norwood, MA 02062 USA  
T: 781 762 4300 F: 781-762-9375 www.fmaprovals.com

# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

***IQade, IQ3FM Electric Valve Actuator.***

***IQMbde, IQ3FM Electric Valve Actuator.***

***IQScde, IQ3FM Electric Valve Actuator.***

***IQDfde, IQ3FM Electric Valve Actuator.***

***IQHgde, IQ3FM Electric Valve Actuator.***

XP / I / 1 / CD / T4 Ta = 70°C

XP / I / 1 / BCD / T4 Ta = 70°C

DIP / II / 1 / EFG / T4 Ta = 70°C; Type 4 and 6

a = Size 10, 12, 18, 19, 20, 25, 35, 40, 70, 90, 91 or 95.

b = Size 10, 12, 20, 25 or 35.

c = Size 12, 20 or 35.

f = Size 10, 12, 18, 20 or 25. (Group C and D only)

g = Size 20, 25, 35 or 40.

d = Bases F10, FA10, F14, FA14, F16, FA16, F25, FA25, F30, FA30, G0, G1, G2, G3, G4 or G5.

e = Couplings A, Z, Z3, B1, B2, B3, B4, B, C, D or E.

Non-model code options include:

Electrical Options - Extra Relays, CPT, CTT, Folomatic, SIL, Pakscan, or Network Interfaces.

Enclosure Options – Long and Short Electrical Cover, Network Disconnect Deep Cover, Wireless Network Deep Cover.

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

## Equipment Ratings:

IQ3FM Electric Valve Actuators consisting of Types IQ, IQH, IQM and IQS fitted with the long electrical cover are rated as Explosionproof for Class I, Division 1, Groups B, C and D or C and D; and Dust-ignitionproof for Class II, Division 1, Groups E, F and G Hazardous (Classified) Locations, indoors and outdoors Type 4 and 6. The actuators are rated for an overall ambient temperature range of -50°C to +70°C and Temperature Class of T4. Electrical ratings, dependant on configuration, are 200 to 600 Vac, 3Ø, 50 or 60Hz, or 110 to 240 ±10% Vac, 1Ø, 50 or 60 Hz.

IQ3FM Electric Valve Actuators consisting of Types IQ, IQH, IQM and IQS fitted with the long electrical cover, standard terminal cover or deep cover are rated as Explosionproof for Class I, Division 1, Groups B, C and D or C and D; and Dust-ignitionproof for Class II, Division 1, Groups E, F and G Hazardous (Classified) Locations, indoors and outdoors Type 4 and 6. The actuators are rated for an overall ambient temperature range of -50°C to +70°C and Temperature Class of T4. Electrical ratings, dependant on configuration, are 200 to 600 Vac, 3Ø, 50 or 60Hz, or 110 to 240 ±10% Vac, 1Ø, 50 or 60 Hz.

IQ3FM Electric Valve Actuators consisting of Types IQ and IQM fitted with the short electrical cover, standard terminal cover or deep cover, are rated as Explosionproof for Class I, Division 1, Groups B, C and D or C and D; and Dust-ignitionproof for Class II, Division 1, Groups E, F and G Hazardous (Classified) Locations, indoors and outdoors Type 4 and 6. The actuators are rated for an overall ambient temperature range of -50°C to +70°C and Temperature Class of T4. Electrical ratings, dependant on configuration, are 200 to 600 Vac, 3Ø, 50 or 60Hz.

IQ3FM Electric Valve Actuator Type IQD fitted with the long electrical cover, standard terminal cover or deep cover are rated as Explosionproof for Class I, Division 1, Groups C and D; and Dust-ignitionproof for Class II, Division 1, Groups E, F and G Hazardous (Classified) Locations, indoors and outdoors Type 4 and 6. The actuators are rated for an overall ambient temperature range of -50°C to +70°C and Temperature Class of T4. Electrical rating is up to 150 Vdc.

## FM Approved for:

Rotork Controls Ltd.  
Bath BA1 3JQ United Kingdom

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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 3615	2006
Class 3616	2011
Class 3810	2005
ANSI/NEMA-250	2008

Original Project ID: 3047388

Approval Granted: November 21, 2012

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
3049085	June 6, 2013		
3049912	November 20, 2013		
3053516	January 16, 2015		
RR202067	August 5, 2015		
RR202963	November 4, 2015		
3054857	April 25, 2016		

FM Approvals LLC

J. E. Marquedant  
Manager, Electrical Systems

25 April 2016  
Date

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