



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:

AMlabcdefg-h. Valve Position Monitor.

IS* / I, II, III / 1 / ABCDEFG / T5** Ta*** = -18°C to +50°C – 105157, 105159; Entity****; FISCO****, NI / I / 2 / ABCD / T5** Ta*** = -18°C to +50°C – 105159, 105162, 105163; NIFW****; S / II, III / 2 / FG / T5** Ta*** = -18°C to +50°C; Type 4, 4X, 6

* *Intrinsically Safe only when a = 44, 93.*

** *When a = 92, 96 or 97, T4A*

*** *When b = 1A, 2A, 3A, 4A, 5A or 6A, Ta = -10°C to +60°C*

**** *When h = T, Ta = -40°C to +80°C*

***** *Entity Parameters when a = 44, Ui = 16 Vdc, Ii = 25 mA, Pi = 1.0W, Ci = 4.4nF, Li = 0mH.*

***** *Entity Parameters when b = 1E, 2E, 3E, 4E, 5E or 6E, Ui = 28 Vdc, Ii = 120 mA, Pi = 1.0W, Ci = 0, Li = 0.*

***** *FISCO Parameters only when a = 93, Ui = 30Vdc, Ii = 380 mA, Pi = 5.32W, Ci = 0, Li = 0.*

***** *NIFW Parameters only when a = 93 Ui = 30 Vdc, Ii = 380 mA, Pi = 5.32W, Ci = 0, Li = 0.*

***** *NIFW Parameters only when a = 96 or 97, Ui = 37 Vdc, Ii = 150 mA, Pi = 3.0W, Ci = 0, Li = 0mH.*

a = Function 33, 44, 92, 93, 94, 95, 96, or 97.

b = Solenoid 11, 1A, 1B, 1D, 1E, 1H, 2A, 2B, 2D, 2E, 2H, 3A, 3B, 3D, 3E, 3H, 4A, 4B, 4D, 4E, 4H, 5A, 5B, 5D, 5E, 5H, 6A, 6B, 6D, 6E or 6H.

c = Enclosure A.

d = Junction 02, 05, 10, 11, 13, 15, 17, 18, 19, 30 or 21.

e = Capabilities S.

f = Visual Indication X, G, R, 1, or 2.

g = Branding A or M.

h = Options T or up to 5 Alpha and/or Numeric Digits for Special and Marketing Identification.

Note: Options digits do not affect the integrity of the enclosure, the electrical safety or the title marking of the product.

Equipment Ratings:

Intrinsically Safe with Entity Parameters and FISCO Parameters for use in Class I, Division 1, Group A, B, C, and D, T5 Ta = 80°C, Intrinsically Safe with Entity Parameters and FISCO Parameters for use in Class II, III, Division 1, Group E, F, and G, Nonincendive for use in Class I, Division 2, Group A, B, C, D T5 Ta = 80°C, Type 4, 4X, 6 Hazardous Indoor and Outdoor Locations.



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AMI96abcDde-f. Valve Position Monitor.

NI / I / 2 / ABCD / T6 Ta* = -18°C to +50°C; S / II, III / 2 / EFG / T6 Ta* = -18°C to +50°C; Type 4, 4X, 6

*When f = T, Ta = -40°C to +75°C

a = Solenoid 11, 1D, 2D, 3D, 4D, 5D, or 6D.

b = Enclosure A.

c = Junction 02, 05, 10, 11, 13, 15, 17, 18, 19, 30 or 21.

d = Visual Indication X, G, R, 1, or 2.

e = Branding A or M.

f = Options T or up to 5 Alpha and/or Numeric Digits for Special and Marketing Identification.

Note: Options digits do not affect the integrity of the enclosure, the electrical safety or the title marking of the product.

Equipment Ratings:

Nonincendive for use in Class I, Division 2, Groups A, B, C, D; Suitable for Class II, III, Division 2, Groups E, F, G; Temperature Class T6 $-40^{\circ}\text{C} \leq \text{Ta} \leq 75^{\circ}\text{C}$; Indoor and Outdoor, Type 4, 4X, 6 Hazardous (Classified) Locations.

FM Approved for:

StoneL Corp.
Fergus Falls, MN 56537



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

Class 3610	2010
Class 3600	2011
Class 3611	2004
Class 3810	2005
NEMA 250	2003

Original Project ID: 3026085

Approval Granted: June 29, 2006

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
060912	September 25, 2006		
061115	December 14, 2006		
070427	August 23, 2007		
3046475	November 1, 2012		
3045098	November 15, 2012		
3047559	February 28, 2013		

FM Approvals LLC

J.E. Marquedant
Group Manager, Electrical

28 February 2013

Date