



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.fmglobal.com

# CERTIFICATE OF COMPLIANCE

## HAZARDOUS LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

**DK 32 K1. Indicator with Reed Switch.**

IS / I,II,III / 1 / ABCDEFG / T\* Ta = \*; — 8157780500; Entity; IP65;

NI / I / 2 / ABCD / T\* Ta = \*, IP65;

Entity Parameters:

$V_{max}=30v$ ,  $I_{max}= 100mA$ ,  $P_{max}= 1W$   $C_i=0\mu F$ ,  $L_i=\mu H$

*\*Special Conditions of Use:*

*For Intrinsic Safety and Non Incendive Approvals the Temperature code and Ambient temperatures are as follows:*

Temperature Code T6 for a Maximum Ambient Temperature of 75°C for Class I, II, III, Division 1 and 2

Temperature Code T5 for a Maximum Ambient Temperature of 90°C for Class I, II, III, Division 1 and 2.

Temperature Code T4 for a Maximum Ambient Temperature of 107°C for Class I,II, Division 1,Group ABC.

Temperature Code T4 for a Maximum Ambient Temperature of 120°C for Class I,II, Division 1,Group D

**DK 34 K1. Indicator with Reed Switch.**

IS / I,II,III / 1 / ABCDEFG / T\* Ta = \*; — 8157780500; Entity; IP65;

NI / I / 2 / ABCD / T\* Ta = \*, IP65;

Entity Parameters:

$V_{max}=30v$ ,  $I_{max}= 100mA$ ,  $P_{max}= 1W$   $C_i=0\mu F$ ,  $L_i=\mu H$

*\*Special Conditions of Use:*

*For Intrinsic Safety and Non Incendive Approvals the Temperature code and Ambient temperatures are as follows:*

Temperature Code T6 for a Maximum Ambient Temperature of 75°C for Class I, II, III, Division 1 and 2

Temperature Code T5 for a Maximum Ambient Temperature of 90°C for Class I, II, III, Division 1 and 2.

Temperature Code T4 for a Maximum Ambient Temperature of 107°C for Class I,II, Division 1,Group ABC.

Temperature Code T4 for a Maximum Ambient Temperature of 120°C for Class I,II, Division 1,Group D



Member of the FM Global Group

**H250/M9. Indicator with Reed Switch.**

IS / I,II,III / 1 / ABCDEFG / T\* Ta = \*; — 8158071100; Entity; IP65;

NI/II/2/IIC/T\* Ta\*-8158071200;IP65

NI / 1 / 2 / ABCD / T\* Ta = \*, IP65;

Entity Parameters:

$V_{max}=30v$ ,  $I_{max}= 100mA$ ,  $P_{max}= 1W$   $C_i=0\mu F$ ,  $L_i=\mu H$

Non Incendive Field Wiring:

$V_{Max}=30v$ ,  $I_{max}= 100mA$ ,  $P_{max}= 1W$   $C_i=0\mu F$ ,  $L_i=\mu H$

*\*Special Conditions of Use:*

*For Intrinsic Safety and Non Incendive Approvals the Temperature code and Ambient temperatures are as follows:*

Temperature Code T6 for a Maximum Ambient Temperature of 75°C for Class I, II, III, Division 1 and 2

Temperature Code T5 for a Maximum Ambient Temperature of 85°C for Class I, II, III, Division 1 and 2.

**Equipment Ratings:**

The DK32/K1, DK34/K1 and the H250/M9 Indicators are FM approved as Intrinsically Safe for Class I, II, III, Division 1, Groups ABCDEFG Hazardous (classified) locations when connected as per Control drawings 8157780500 and 8158071100.

The DK32/K1, DK34/K1 and the H250/M9 Indicators are FM approved as Non Incendive for Class I, Division 2, Groups ABCD and Non-Incendive for Class I, Division 2, Groups IIC Hazardous (classified) locations.

The enclosure used for the DK32/K1, DK34/K1 and the H250/M9 Indicators are FM Approved for an IP65 environmental rating.

**FM Approved for:**

Krohne Inc.  
7 Dearborne Road  
Peabody, MA 01960



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

Class 3600	1998
Class 3610	1999
Class 3611	2004
Class 3810	2004
IEC 60529	1991

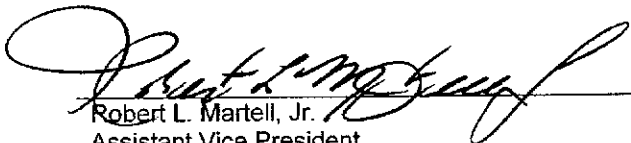
Original Project ID: 3026571

Approval Granted: *AUGUST 15, 2006*

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
---------------	------	---------------	------

FM Approvals LLC

  
Robert L. Martell, Jr.  
Assistant Vice President

*AUGUST 15, 2006*  
Date