



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

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

**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:

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

**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

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

Entity Parameters:

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

Non Incendive Field Wiring:

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

**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 Messtechnik GmbH
Duisburg, Germany



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	2004
ANSI/ISA 60529	2004

Original Project ID: 3026571

Approval Granted: August 15, 2006

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
100614	May 6, 2011		
130228	March 25, 2013		

FM Approvals LLC


J.E. Marquedant
Group Manager, Electrical

25 March 2013
Date