



Member of the FM Global Group

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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

HIMax, Safety Related System

NI/ I / 2 / ABCD; T4A Ta = 60°C

Module Names

NI/ I / 2 / ABCD; T5 Ta = 60°C

X-SB 01 Safety-related System Bus Module
X-COM 01 Communication Module
X-DI 32 01 Safety-related Digital Input Module, 32 In. (24 V)
X-DI 32 02 Safety-related Controller Digital Input Module 32 In. (NAMUR)
X-DI 32 04 Safety-related Digital Input Module, 32 In. (24 V)
X-DI 32 05 Safety-related Controller Digital Input Module 32 In. (NAMUR)
X-DI 16 01 Safety-related Digital Input Module, 16 In. (120 V ac)
X-DI 32 03 Safety-related Digital Input Module, 32 In. (48 V dc)
X-DI 64 01 Safety-related Digital Input Module, 64 In. (24 V dc)
X-DO 12 01 Safety-related Relay Module 12 Relay Outputs (4A)
X-DO 24 01 Safety-related Digital Output Module, 24 Outputs (0,5A)
X-DO 12 02 Safety-related Digital Output Module, 12 In. (24 V dc, 2A)
X-DO 24 02 Safety-related Digital Output Module, 24 In. (48 V dc, 0.5A)
X-DO 32 01 Safety-related Digital Output Module, 32 In. (48 V dc, 0.5A)

Module Names

NI/ I / 2 / ABCD; T5 Ta = 60°C

X-CI 24 01 Safety-related Counter Module, 24 In. (0...20 kHz)

Module Names

NI/ I / 2 / ABCD; T4A Ta = 60°C

X-CPU 01 Safety-related CPU Module
X-AI 32 01 Safety-related Analogue Input Module, 32 In. (0/4..20mA)
X-AI 32 02 Safety-related Analogue Input Module, 32 In. (0/4..20mA)
X-AO 16 01 Safety-related Analogue Output Module, 16 In. (0/4..20mA)

Module Names

NI/ I / 2 / ABCD; T4A Ta = 60°C

H6200A Analogue Isolator Power Supply

Module Names

NI/ 1 / 2 / ABCD; T4A Ta = 60°C
H4116 Relay

Field connections Terminal for DI and DO

NI/ 1 / 2 / ABCD; T5 Ta = 60°C
X-TM DO 12 01 01 Field Termination Assembly for X-DO 12 01
X-TM DO 24 01 01 Field Termination Assembly for X-DO 24 01
X-TM DI 32 01 01 Field Termination Assembly for X-DI 32 01
X-TM DI 32 02 01 Field Termination Assembly for X-DI 32 02

Field connections Terminal for AI

NI/ 1 / 2 / ABCD; T4A Ta = 60°C
X-TM AI 32 01 01 Field Termination Assembly for X-AI 32 01

X-Base Plate-ab

NI/ 1 / 2 / ABCD; T6 Ta = 60°C
a = No. of slots = 10, 15 or 18
b = Type of Mounting 01(Backplane) or 02 (19" Frame)

X-Fan-ab

NI/ 1 / 2 / ABCD; T6 Ta = 60°C
a = No. of slots = 10, 15 or 18
b = Type of Mounting 01, 03 (Backplane) or 02, 04 (19" Frame)

Accessory – Distribution Fuse Board for Power Supply

NI/ 1 / 2 / ABCD; T4A Ta = 60°C
H7201 SELV/PELV Distribution Fuse Board for Power Supply 24/48VDC Max Current 92A
H7202 SELV/PELV Distribution Fuse Board for Power Supply 24/48VDC Max Current 64A
Specific Conditions of Use: The equipment shall be installed in compliance with the enclosure, mounting, spacing and segregation requirements of the ultimate application.

Equipment Ratings:

Nonincendive for Class I, Division 2, Groups A, B, C and D Hazardous (Classified) locations for use in the United States (US). The ambient temperature range for the product is -20°C to +60°C. The temperature code is T4A/T5/T6 (As identified above).

FM Approved for:

HIMA Paul Hildebrandt GmbH+Co KG
D-68782 Brühl, Germany



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

Class 3600	2011
Class 3611	2004
Class 3810	2005

Original Project ID: 3033084

Approval Granted: February 17, 2009

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
3035872	January 19, 2010		
3041687	July 10, 2012		

FM Approvals LLC

J. E. Marquedant
Group Manager, Electrical

July 10, 2012
Date