FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment

JBBS- a-bc1d/Ex. Junction Brick.
IS / I / 1 / ABCD / T4 Ta = 70°C - NI-2.406; Entity / FISCO*;
I / 0 / AEx ia IIC / T4 Ta = 70°C - NI-2.406; Entity / FISCO*;
NI-ANI / I / 2 / CD / T4 Ta = 70°C - NI-2.406
Rectangular output characteristic-NIFW*
*For Entity, FISCO, and Nonincendive Field Wiring Parameters, refer to the relevant control drawings.
a = Bus standard: 48SC or 49SC.
b = Connector style: E, M, or T.
c = Number of spurs: 4 or 6.
d = Connector material: 3, 4, or 5.
Special Condition of Use:
1. In Division 2 installations, if the installation of this Junction Brick uses a wiring method other than nonincendive field wiring, then this Junction Brick may be installed in Group A / B areas, using the Approved lokfast Guard and ITC or PLTC cable types as defined by the NEC® .

JBBS- a-bc1d/Ex. Junction Brick.
IS / I / 1 / ABCD / T4 Ta = 70°C- NI-2.406; Entity / FISCO*;
I / 0 / AEx ia IIC / T4 Ta = 70°C- NI-2.406; Entity / FISCO*;
NI / I / 2 / ABCD / T4 Ta = 70°C
*For Entity and FISCO Parameters, refer to the relevant control drawings.
a = Bus standard: 48 or 49.
b = Connector style: E, M, or T.
c = Number of spurs: 4 or 6.
d = Connector material: 3, 4, or 5.
Special Conditions of Use:
1. In Division 2 installations, all cabling drops must be ITC or PLTC cable types as defined by the NEC® , using the Approved lokfast Guard.
2. Use Turck installation drawing NI-2.406 in addition to NEC® .

JRBS- a-bcEx. Junction Blocks.
IS / I / 1 / ABCD / T4 Ta = 70°C - NI-2.405; Entity / FISCO*;
I / 0 / AEx ia IIC / T4 Ta = 70°C - NI-2.405; Entity / FISCO*;
NI-ANI / I / 2 / CD / T4 Ta = 70°C - NI-2.405; Rectangular output characteristic-NIFW*
*For Entity, FISCO, and Nonincendive Field Wiring Parameters, refer to the relevant control drawings.
a = Bus standard: 40 or 40SC.
b = Number of spurs: 4, 6, or 8.
c = Terminal Type: C or R.
Special Conditions of Use:
1. In Division 2 installations, if the installation of this Junction Brick uses a wiring method other than nonincendive field wiring, then this Junction Brick may be installed in Group A / B areas, using Division 2 wiring methods as defined by the NEC® .
2. The Junction Blocks shall be installed in a tool secured enclosure in compliance with the mounting, spacing and segregation requirements of the ultimate application.

JRBS- a-bc/Ex. Junction Blocks.
IS / I / 1 / ABCD / T4 Ta = 70°C- NI-2.405; Entity / FISCO*;
I / 0 / AEx ia IIC / T4 Ta = 70°C- NI-2.405; Entity / FISCO*;
NI / I / 2 / ABCD / T4 Ta = 70°C
*For Entity and FISCO Parameters, refer to the relevant control drawings
a = Bus standard: 40.
b = Number of spurs: 4, 6, or 8.
c = Terminal Type: C or R
Special Condition of Use:
1. The Junction Blocks shall be installed in a tool secured enclosure in compliance with the mounting, spacing and segregation requirements of the ultimate application.

Equipment Ratings:

Intrinsically safe for use in Class I, Division 1, Groups A, B, C, & D; Class I, Zone 0, Group IIC; Nonincendive for use in Class I, Division 2, Groups A, B, C, & D; indoor hazardous (classified) location and Nonincendive field wiring with connection to Class I, Division 2, Groups C & D hazardous (classified) location in accordance with control drawing NI-2.405 or NI-2.406.

The equipment has a Temperature Class T5, Ta = 70°C.

The Junction Blocks shall be installed in a final enclosure in order to retain its safety approval.

FM Approved for:

TURCK Inc.
Plymouth, Minnesota 55441, USA

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

Class 3600	2011
Class 3810	2005
Class 3610	2010
Class 3611	2004
ANSI/ISA-60079-0	2009
ANSI/ISA-60079-11	2009

Original Project ID: 3025465 Approval Granted: May 11, 2006

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
090722	11/03/2009		
3042273	03/22/2012		

FM Approvals LLC

Timothy Adam
Technical Team Manager

Mar. 22, 2012
Date