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REPORT

on

PROCESS CONTROL EQUIPMENT FOR USE IN HAZARDOUS LOCATIONS
(QUZW)

Complementary Product Category

PROCESS CONTROL EQUIPMENT FOR USE IN CLASS I, ZONE 0, 1 AND 2
HAZARDOUS LOCATIONS
(QVAJ)

Turck Inc.
Minneapolis, MN

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DESCRIPTION

PRODUCT COVERED:

USL - Associated Apparatus, non-hazardous locations or Class I, Division 2, Groups A, B, C and D Hazardous Locations, [AEx ia] IIC.

CNL - Associated Apparatus, non-hazardous locations, Class I, Division 2, Groups A, B, C and D Hazardous Locations, [Ex ia] IIC.

Safety Barrier, Model No. IMC-DO-11Ex/L/K62, providing intrinsically safe circuits for use in Class I, Groups A, B, C and D; Class II, Groups E, F and G; and Class III; or Class I, Zone 0, Group IIC Hazardous Locations when installed in accordance with Turck control drawing No. IS-1.310.

Safety Barrier, Model No. IMC-DI-22Ex-PNO/24VDC/K62, providing intrinsically safe circuits for use in Class I, Groups A, B, C and D; Class II, Groups E, F and G; and Class III; or Class I, Zone 0, Group IIC Hazardous Locations when installed in accordance with Turck control drawing No. IS-1.309.

USL - Associated Apparatus, non-hazardous locations or Class I, Division 2, Groups C and D Hazardous Locations, [AEx ia] IIC.

CNL - Associated Apparatus, non-hazardous locations, Class I, Division 2, Groups C and D Hazardous Locations, [Ex ia] IIC.

Safety Barrier, Model No. IMC-AIA-11Ex-i/24VDC/K62, providing intrinsically safe circuits for use in Class I, Groups C and D; Class II, Groups E, F and G; and Class III; or Class I, Zone 0, Group IIB Hazardous Locations when installed in accordance with Turck control drawing No. IS-1.308.

RATINGS:

Electrical	
Model	Power Input
IMC-AIA-11Ex-i/24VDC/K62	20-30 V dc, 1.5 W max
IMC-DO-11Ex/L/K62	20-30 V dc, 1.3 W max
IMC-DI-22Ex-PNO/24VDC/K62	20-30 V dc, 1.0 W max
Environmental	-25 to 70°C

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GENERAL:

The products covered by this Report are galvanically isolated associated apparatus intended to provide intrinsically safe circuits.

TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

The products covered by this Report have been investigated to:

UL 913, Seventh Edition, Rev. 2011-09-23	UL 61010-1, Second Edition, Rev. 2010-10-28
UL 60079-0, Fifth Edition, Rev. 2009-12-08	CAN/CSA C22.2 No. 61010-1, Second Edition, Rev. 2008-10-01
UL 60079-11, Fifth Edition, Rev. 2009-11-05	CAN/CSA C22.2 No. 157-92, Third Edition (Reaff. 2012)
CAN/CSA C22.2 No. 60079-0:11, Rev. 2011-12-01	CAN/CSA C22.2 No. 213-M1987 (Reaff. 2008)
CAN/CSA C22.2 No. 60079-11:11, Rev. 2011-12-01	ANSI/ISA 12.12.01, 2012 Edition

These devices are for use in an ambient temperature range of -25°C to +70°C. They have a T5 temperature code for Class I, Division 2 locations.