



Certificate of Compliance

Certificate: 1845315

Master Contract: 169790

Project: 80096928

Date Issued: 2021-11-17

Issued To: Pepperl+Fuchs SE
Lilienthalstrasse 200
Mannheim, Baden-Württemberg, 68307
Germany

Attention: Maxim Graznov

The products listed below are eligible to bear the CSA Mark shown

Issued by: *Konstantin Rybalko*
Konstantin Rybalko



PRODUCTS

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations

**Class I, Division 1, Groups A, B, C & D;
Ex nA [ia] IIC**

Model RD0-FB-Ex4 Segment Coupler; input rated 20-35Vdc, 4.2W; Ambient temperature of -20 to +70°C; Temperature Code T4; suitable for installation in Class I, Div. 2, Group A, B, C & D and Class I, Zone 2, Group IIC locations, and provides Intrinsically Safe connections for Class I, Division 1, Groups A,B,C,D; Class II, Division 1, Groups E,F,G; Class III; Class I, Zone 0, Group IIC Hazardous Locations when connected as per installation drawing 116-0266:

Output Entity Parameters: U_o (Voc) = 15.75 V, I_o (Isc) = 247.7 mA, P_o = 975.34 mW

Class I, Zone 0, Group IIC

Class I, Division 1, Groups A & B

Class I, Zone 0, Group IIB

Class I & II, Division 1, Groups C & E

Class I, Zone 0, Group IIA

Class I, II, III Division 1, Groups D, F, & G

C_o (Ca) = 0.478 μ F L_o (La) = 0.4 mH

C_o (Ca) = 2.88 μ F L_o (La) = 2.5 mH

C_o (Ca) = 11.6 μ F L_o (La) = 4.4 mH



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Note: The above devices are for mounting in a suitable protective enclosure in a Class I, Division 2 or Zone 2 hazardous location, or a non-hazardous location (Max Ambient 70 Deg C) and must be installed in accordance with the manufacturer's instructions.

Model F2D0-FB-Ex4 Segment Coupler; input rated 20-35Vdc, 4.2W; Ambient temperature of -20 to +70°C; Temperature Code T4; suitable for installation in Class I, Div. 2, Group A, B, C & D and Class I, Zone 2, Group IIC locations, and provides Intrinsically Safe connections for Class I, Division 1, Groups A,B,C,D; Class II, Division 1, Groups E,F,G; Class III; Class I, Zone 0, Group IIC Hazardous Locations when connected as per installation drawing 116-0266; Type 4X, IP54:

Output Entity Parameters: U_o (Voc) = 15.75 V, I_o (Isc) = 247.7 mA, P_o = 975.34 mW

Class I, Zone 0, Group IIC

Class I, Division 1, Groups A & B

C_o (Ca) = 0.478 μ F L_o (La) = 0.4 mH

Class I, Zone 0, Group IIB

Class I & II, Division 1, Groups C & E

C_o (Ca) = 2.88 μ F L_o (La) = 2.5 mH

Class I, Zone 0, Group IIA

Class I, II, III Division 1, Groups D, F, & G

C_o (Ca) = 11.6 μ F L_o (La) = 4.4 mH

APPLICABLE REQUIREMENTS

- | | | |
|------------------------------------|---|---|
| CSA C22.2 No. 94-M91 (R2006) | - | Special Purpose Enclosures |
| CSA C22.2 No. 142 (R2004) | - | Process Control Equipment |
| CSA-C22.2 No. 157-92 (R2002) | - | Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations |
| CSA C22.2 No. 213-92-M1987 (R2004) | - | Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations |
| CAN/CSA E60079-0:02 (R2006) | - | Electrical apparatus for explosive gas atmospheres - Part 0: General Requirements |
| CAN/CSA E60079-11:02 (R2006) | - | Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic Safety "i" |
| CAN/CSA E60079-15:02 (R2006) | - | Electrical apparatus for explosive gas atmospheres - Part 15: Type of Protection "n" |
| CAN/CSA C22.2 No. 60529:05 | - | Degrees of protection provided by enclosures (IP Code) |