



Certificate of Compliance

Certificate:	80278336	Master Contract:	162037
Project:	80278336	Date Issued:	2026-02-25
Issued to:	Barksdale, Inc. 3211 Fruitland Ave. Los Angeles, California 90058 United States	Issued by:	<i>Amandeep Khatra</i> Amandeep Khatra

Attention: Chet Sahanaja

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



PRODUCTS

Class 2258 04 PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations
Class 2258 84 PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations - Certified to US Standards

Ex ia IIC T4 Ga

Class I, Zone 0, AEx ia IIC T4 Ga

I.S. Class I, Division 1, Groups A, B, C, D; T4

NI Class I, Division 2, Groups A, B, C, D; T4

Magnetic pickup Model M321-W-X-P-*** (pin Version) or M321-W-X-Y-*** (wired) when installed with an associated I.S. apparatus. See full order code below; $T_{ambient}$: -40°C to +80°C.

$U_i / V_{max} = 28V$;

$I_i / I_{max} = 93mA$

$C_i = 0^*$



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Li/Ri = 18μH/Ω*

*These values apply to the equipment supplied without a cable- refer to the Conditions of Use for parameters of the integral Cable.

Order Code:

M321-W-X-P-** or M321-W-X-Y-**

W = Dim "A" thread size	X = Dim "B" thread length	Y or P = Electrical connection	** = Options
A: 5/8-18 UNF-2A (MIN.) B: 11/16-24 UNF-2A- C: 3/4-16 UNF-2A D: 3/4-20 UNF-2A E: M16 × 1.5-6g- F: M18 × 1.5-6 G: M20 × 1.5-6g Z: Custom thread (consult factory)	L1.875: 1.875 OR (L1.8) [47.6] (MIN.) L3.5: 3.5 [88.9]- L4.5: 4.5 [114.3]- L6: 6 [152.4] (MAX.)- Lxx: Custom length (consult factory). xx in inches and within indicated min and max lengths	-Wxx: 1/2" NPT conduit connection (18 AWG wire output)- M20-Wxx: M20×1.5 female connection (18 AWG wire output)- Jxx: 1/2" NPT conduit connection with 18 AWG jacketed cable- M20-Jxx: M20×1.5 female connection with 18 AWG jacketed cablexx: <i>3-100 ft, 1 ft increment-</i> P: Pin output Δ (Only intrinsically safe "Ex ia" approvals)	-Qxx: Private label

**Not Critical for Explosion Protection

Conditions of Acceptability:

1. The user shall ensure that the equipment is installed such that the peak to peak open circuit output voltage does not exceed 60Vpp.
2. Model M321 with integral connector (-P suffix) shall be installed in intrinsically safe installations only. These models are supplied with a separate certification label and the user shall ensure that the label is attached to the installation, close to the equipment, after installation.
3. The equipment may be supplied with an integral cable of variable length with a capacitance of 200pF/m and inductance of 1μH/m or 30μH/Ω. The use shall consider these parameters in conjunction with any additional cabling during the installation of the equipment in Intrinsically safe installations.
4. In Intrinsically safe installations, the equipment shall only be connected via a resistively limited barrier.

Class 2258 02 PROCESS CONTROL EQUIPMENT - For Hazardous Locations

Class 2258 82 PROCESS CONTROL EQUIPMENT - For Hazardous Locations - Certified to US Standards

Ex mb IIC T4 Gb

Class I Zone 1, AEx mb IIC T4 Gb

Class I, Division 2, Groups A, B, C, D; T4

Magnetic pickup Model M321 wired (See full order code below) rated 28V max – Installed per Document # 145F-13228. T_{ambient}: -40°C to +90°C.

Order Code:

M321-W-X-Y-**



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W = Dim "A" thread size	X = Dim "B" thread length	Y = Electrical connection	** = Options
A: 5/8-18 UNF-2A (MIN.) B: 11/16-24 UNF-2A- C: 3/4-16 UNF-2A D: 3/4-20 UNF-2A E: M16 × 1.5-6g- F: M18 × 1.5-6 G: M20 × 1.5-6g Z: Custom thread (consult factory)	L1.875: 1.875 OR (L1.8) [47.6] (MIN.) L3.5: 3.5 [88.9]- L4.5: 4.5 [114.3]- L6: 6 [152.4] (MAX.)- Lxx: Custom length (consult factory). xx in inches and within indicated min and max lengths	-Wxx: 1/2" NPT conduit connection (18 AWG wire output)- M20-Wxx: M20×1.5 female connection (18 AWG wire output)- Jxx: 1/2" NPT conduit connection with 18 AWG jacketed cable- M20-Jxx: M20×1.5 female connection with 18 AWG jacketed cablexx: 3-100 ft, 1 ft increment-	-Qxx: Private label

**Not Critical for Explosion Protection

Conditions of Acceptability:

1. The end user shall ensure appropriate earthing of the metallic field housing upon installation.
2. The equipment shall only be connected to limited energy circuits such as Class 2 SELV circuits.
3. The user shall ensure that the equipment is installed such that the peak to peak open circuit output voltage does not exceed 60Vpp.

APPLICABLE REQUIREMENTS

Standards Used	Description
CAN/CSA C22.2 No. 61010-1-12, UPD1:2015, UPD2:2016, AMD1:2018, UPD3:2023, UPD4:2024	Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 1: General requirements - Third Edition
UL 61010-1:2012 - Third Edition - Revisions Through and Including November 15, 2024	Safety Requirements for Electrical Equipment For Measurement, Control, and Laboratory Use; Part 1: General Requirements
CAN/CSA C22.2 No. 60079-0:19	Explosive atmospheres - Part 0: Equipment - General requirements
ANSI/UL 60079-0-2019	Standard for Safety for Explosive Atmospheres - Part 0: General Requirements
CAN/CSA-C22.2 No 60079-11:14	Explosive Atmospheres - Part 11: Equipment protection by intrinsic safety 'i'
ANSI/UL 60079-11:2013 - Sixth Edition	Explosive Atmospheres - Part 11: Equipment Protection By Intrinsic Safety 'I'
CAN/CSA-C22.2 No. 60079-18:16 - Second Edition	Explosive atmospheres - Part 18: Equipment protection by encapsulation "m"
UL 60079-18 - Fourth Edition - Reprint with Revisions Through and Including February 7, 2019	Explosive atmospheres – Part 18: Equipment protection by encapsulation “m”



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Standards Used	Description
CAN/CSA-C22.2 No. 213-17 + UPD 1 (2018) + UPD 2 (2019) + UPD 3 (2021) (R2022)	Non-incendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations
ANSI/UL 121201:2017 - Ninth Edition - Including Revisions Through April 1, 2021	UL Standard for Safety Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations



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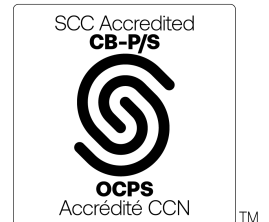
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Notes:

Products certified under Class(es) C225802, C225804, C225882, C225884 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
80278336	2026-02-25	Original cCSAus certification of intrinsically safe "ia" or encapsulation "mb" or non-incendive protected M321 Magnetic Pickup.