



Certificate of Compliance

Certificate: 70139263

Master Contract: 266009

Project: 70139263

Date Issued: 2018-01-18

Issued to: Amphenol Industrial
40-60 Delaware
Sidney, NY
13838-1395
USA

Attention: Robin Cline

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and US Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only



Issued by:

B Spencer

CLASS 6238 01 - RECEPTACLES Attachment Plug Type and Plugs - For Hazardous Locations

Marking

Ex nA IIB + H₂ T3 Gc
T_{amb} = -40°C to +100°C

Amphex EX Connectors Zone 2 Version Connectors Type 15-5 and Type 21-16
60 V ac / 85 V dc, 7 Amps maximum

Model Code Designations:

Inline plug: EX2M-(A)06-(BB-CC)(D)(E)

Connector series type designation:	EX2M
Shell material (A):	A-Aluminium, B-Brass, S-Stainless steel
Shell configuration:	06 - In-line plug
Shell size (BB):	Either: 15 or 21
Insert arrangement (CC):	Shell size 15: 5, Shell size 21: 16



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Master Contract: 266009

Project: 70139263

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Contact type (D): P - Pin, S - Socket
Alternate key position (E): None

Panel Mount receptacle: EX2M-(A)02-(BB-CC)(D)(E)

Connector series type designation: EX2M
Shell material (A): A-Aluminium, B-Brass, S-Stainless steel
Shell configuration: 02 - Bulkhead receptacle
Shell size (BB): Either: 15 or 21
Insert arrangement (CC): Shell size 15: 5, Shell size 21: 16
Contact type (D): P - Pin, S - Socket
Alternate key position (E) None

Conditions of Acceptability

1. Cables shall be terminated in a non-hazardous area or within an appropriately certified enclosure.
2. It is the responsibility of the user to provide appropriate earthing hardware using the guidance given in the manufacturer's installation instructions. The user shall ensure that the materials of the hardware shall provide adequate protection against corrosion.
3. It is the responsibility of the user to ensure that wiring to the equipment is completed in accordance with the wiring procedure detailed in the Instructions.
4. The panel mount receptacles shall be installed on an enclosure that provides a degree of protection not less than IP 54 and which meets the enclosure requirements of CAN/CSA-C22.2 No. 60079-0:15 and CAN/CSA-C22.2 No. 60079-15:16. The enclosure shall be suitable for a service temperature at the point of mounting equal to the maximum ambient temperature + 20 k.
5. The interface between the panel mount receptacles and the enclosure to which they are fitted cannot be defined. Therefore it is the responsibility of the user to ensure that the appropriate level of ingress protection is maintained at this point.
6. It is the responsibility of the user to ensure that the cables are secured so that no pulling or twisting is exerted on the cables where they enter the connector body.

CLASS 6238 81 - RECEPTACLES Attachment Plug Type and Plugs - For Hazardous Locations - Certified to U.S. Standards

Marking

Class I, Zone 2 AEx nA IIB + H2 T3 Gc
T_{amb} = -40°C to +100°C

Amphe-EX Connectors Zone 2 Version Connectors Type 15-5 and Type 21-16
60 V ac / 85 V dc, 7 Amps maximum

Model Code Designations:

Inline plug: EX2M-(A)06-(BB-CC)(D)(E)

Connector series type designation: EX2M
Shell material (A): A-Aluminium, B-Brass, S-Stainless steel
Shell configuration: 06 - In-line plug
Shell size (BB): Either: 15 or 21



Certificate: 70139263
Project: 70139263

Master Contract: 266009
Date Issued: 2018-01-18

Insert arrangement (CC): Shell size 15: 5, Shell size 21: 16
Contact type (D): P - Pin, S - Socket
Alternate key position (E): None

Panel Mount receptacle: EX2M-(A)02-(BB-CC)(D)(E)

Connector series type designation: EX2M
Shell material (A): A-Aluminium, B-Brass, S-Stainless steel
Shell configuration: 02 - Bulkhead receptacle
Shell size (BB): Either: 15 or 21
Insert arrangement (CC): Shell size 15: 5, Shell size 21: 16
Contact type (D): P - Pin, S - Socket
Alternate key position (E) None

Conditions of Acceptability

1. Cables shall be terminated in a non-hazardous area or within an appropriately certified enclosure.
2. It is the responsibility of the user to provide appropriate earthing hardware using the guidance given in the manufacturer's installation instructions. The user shall ensure that the materials of the hardware shall provide adequate protection against corrosion.
3. It is the responsibility of the user to ensure that wiring to the equipment is completed in accordance with the wiring procedure detailed in the Instructions.
4. The panel mount receptacles shall be installed on an enclosure that provides a degree of protection not less than IP 54 and which meets the enclosure requirements of ANSI/UL 60079-0: 6th Edition and ANSI/UL 60079-15: 4th Edition. The enclosure shall be suitable for a service temperature at the point of mounting equal to the maximum ambient temperature + 20 k.
5. The interface between the panel mount receptacles and the enclosure to which they are fitted cannot be defined. Therefore it is the responsibility of the user to ensure that the appropriate level of ingress protection is maintained at this point.
6. It is the responsibility of the user to ensure that the cables are secured so that no pulling or twisting is exerted on the cables where they enter the connector body.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 0-10 (R2015)	-	Canadian Electrical Code, Part II - General requirements
CAN/CSA-C22.2 No. 60079-0:15	-	Electrical apparatus for explosive gas atmospheres- Part 0: General requirements
CAN/CSA-C22.2 No. 60079-15:16	-	Explosive atmospheres — Part 15: Equipment protection by type of protection “n”
CAN/CSA-C22.2 No. 182.3-16	-	Special use attachment plugs, receptacles, and connectors
ANSI/UL 60079-0: 6 th Edition	-	Electrical apparatus for explosive gas atmospheres- Part 0: General requirements
ANSI/UL 60079-15: 4 th Edition	-	Explosive atmospheres — Part 15: Equipment protection by type of protection “n”
UL 1977: 3 rd Edition	-	UL Standard for Safety Component Connectors for Use in Data, Signal, Control and Power Applications



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MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

- CSA Monogram for Canada and US
- Manufacturer's name: Amphenol Oil and Gas Technology
- Model number in accordance with the product section of this report
- Certificate number: CSA 18.70139263X
- Marking in accordance with the product section of this report and additionally optional marking "Class I Division 2 Groups B, C, D T3" may appear.
- Electrical Rating
- Date of manufacture: Month and year of manufacture or date code. If a serial number is used instead of date of manufacture, a record of serial numbers shall be kept traceable to date of manufacture. (Not related to date of sale)
- The warning "WARNING – DO NOT CONNECT OR DISCONNECT WHEN ENERGIZED"
"A NE PAS CONNECTER OU DÉCONNECTER LORSQUE VOUS ÊTES SOUS TENSION "
- The warning "DO NOT OPEN WHEN AN EXPLOSIVE GAS OR DUST ATMOSPHERE IS PRESENT"
"NE PAS OUVRIR EN PRÉSENCE DE GAZ EXPLOSIVE NI EN ATMOSPHERE DE POUSSIÈRE"
- When the ambient temperature marked on the equipment exceeds 40 °C the following cable temperature warning shall be marked on the equipment.
"SEE INSTALLATION INSTRUCTION DOCUMENT FOR GUIDANCE ON CABLE SELECTION"
"VOIR LE DOCUMENT D'INSTRUCTIONS D'INSTALLATION POUR DES CONSEILS SUR LA SELECTION DES CABLES"

Application Method:

The markings are applied to a Metallized polyester base with clear protective laminate and attached to the product with a stainless steel cable lanyard.



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
70139263	2018-01-18	Original Certification.