



1 **TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 15ATEX4314X** Issue: **1**

4 Equipment: **Amphe-EX Connectors Zone 2 Version Connectors Type 15-5 and Type 21-16**

5 Applicant: **Amphenol Industrial**

6 Address: 40-60 Delaware
Sidney, NY
13838-1395
USA

7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 CSA Group Netherlands B.V. certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design of Category 3 equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 60079-0:2012

EN 60079-15:2010

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This Type Examination Certificate relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:



II 3G

Ex nA IIB+H2 T3 Gc

Tamb = -40 °C to +100 °C

Project Number 1485

Signed: 

Title: Director of Operations

This certificate and its schedules may only be reproduced in its entirety and without change

CSA Group Netherlands B.V.
Utrechtseweg 310,
6812 AR, Arnhem,
Netherlands



SCHEDULE

TYPE EXAMINATION CERTIFICATE

Sira 15ATEX4314X
Issue 1

13 DESCRIPTION OF EQUIPMENT

The Amphe-EX Zone 2 Version Connectors comprise a plug and receptacle shell that form in-line cable connections. The body of the plug may be made using aluminium, brass or stainless steel. When connected together the plug and receptacle are secured together by means of a coupling nut which is retained by a grub screw. Internally, the plug shell incorporates two recesses to accommodate two silicone O-rings, providing a degree of protection to level IP67. Also fitted within the plug shells are an insulator insert that houses crimp type contact pins or sleeves.

The Amphe-EX Zone 2 Version Connectors come in the following options: Type 15-5, utilises a size 15 shell and has 5 contacts; Type 21-16, utilises a size 21 shell and has 16 contacts.

The model code designations are as follows:

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
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

Rating

60 Vac / 85 Vdc, 7 Amps maximum

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	18 November 2015	R70005785A	The release of the prime certificate.

This certificate and its schedules may only be reproduced in its entirety and without change

CSA Group Netherlands B.V.
Utrechtseweg 310,
6812 AR, Arnhem,
Netherlands



SCHEDULE

TYPE EXAMINATION CERTIFICATE

Sira 15ATEX4314X
Issue 1

1	15th October 2019	1485	<ul style="list-style-type: none">• Transfer of certificate Sira 15ATEX4314X from Sira Certification Service to CSA Group Netherlands B.V..• Type-Examination Certificate in accordance with 94/9/EC updated to Type-Examination Certificate in accordance with Directive 2014/34/EU. <i>(In accordance with Article 41 of Directive 2014/34/EU, Type-Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such Type-Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)</i>
---	-------------------	------	---

15 SPECIAL CONDITIONS FOR SAFE USE

- 15.1 Cables shall be terminated in a non-hazardous area, or within an appropriate Ex e, Ex n or Ex d terminal enclosure/junction box.
- 15.2 It is the responsibility of the user/installer to ensure appropriate measures are taken to ensure the equipment is adequately protected from transient over voltages.
- 15.3 It is the responsibility of the user/installer 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.
- 15.4 It is the users/installers responsibility to ensure that wiring to the equipment is completed in accordance with the wiring procedure detailed in the manufacturer's installation instructions.
- 15.5 The user/installer shall ensure that the wiring fitted to the panel mount receptacles shall be suitable for a continuous operating temperature of at least 120°C when rated for a maximum ambient of 100°C.
- 15.6 The user installed conductors fitted to the panel mount receptacles are to be insulated between connection to the receptacle contacts and associated terminals within associated enclosures to which they are fitted.
- 15.7 The interface between the panel mount receptacles and associated Ex nA enclosure to which they may be fitted cannot be defined. Therefore it is the user's responsibility to ensure that the appropriate ingress protection level of the associated enclosure is maintained at this point.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed reports listed in Section 14.2.

This certificate and its schedules may only be reproduced in its entirety and without change

CSA Group Netherlands B.V.
Utrechtseweg 310,
6812 AR, Arnhem,
Netherlands

Certificate Annexe



Certificate Number: Sira 15ATEX4314X

Equipment: Amphe-EX Connectors Zone 2 Version Connectors Type 15-5 and Type 21-16

Applicant: Amphenol Industrial

Issue 0

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
10-838494-SIRA	1 to 3	P04	29 Oct 15	Assembly, Amphe-EX Series - Zone 2 Version
10-838494-LBL	1 of 1	A	06 Nov 15	Label Drawing
ED10-838492-15-5 CL	1 of 1	A	25 Oct 15	Clearance Study for Type 15-5 Connector
ED10-838492-15-5 CP	1 to 2	A	25 Oct 15	Creepage Study for Type 15-5 Connector
ED10-838492-21-16 CL	1 of 1	A	25 Oct 15	Clearance Study for Type 21-16 Connector
ED10-838492-21-16 CP	1 to 4	A	25 Oct 15	Creepage Study for Type 21-16 Connector

This certificate and its schedules may only be reproduced in its entirety and without change

CSA Group Netherlands B.V.
Utrechtseweg 310,
6812 AR, Arnhem,
Netherlands