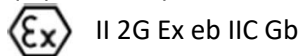


[1] **EU - TYPE EXAMINATION CERTIFICATE**
[2] **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres**
Directive 2014/34/EU

[3] EU – Type Examination Certificate Number ACE25ATEX019U Rev00
[4] Product Ex-proof connector Model ExA series
[5] Manufacturer JONHON OPTRONIC TECHNOLOGY CO., LTD
[6] Address No.6, Qianjingnan Road, Luoyang Area of China(Henan)Pilot FreeTrade Zone, 471003, P.R.C.

[7] This equipment or protective system and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
[8] Advanced Consulting and Engineering Iberia SL (A.C.&E. Iberia S.L.), Notified body Accreditation nº: NB3024 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive
The examination and test results are recorded in the confidential Report nº. EX_EXE009_25_25-814
[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018 : Explosive atmospheres — Part 0: Equipment — General requirements
EN 60079-7: 2015/A1:2018: Explosive atmospheres - Part 7: Equipment protection by increased safety ‘e’
[10] The sign “U” is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system
[11] This EU – Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12] The marking of the equipment or protective system shall include the following:



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Date: 31/03/2026



**Advanced Consulting and Engineering
Iberia SL**
Notified Body No NB3024
Matteo Marconi, CEO

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[13] **SCHEDULE**

[14] EU-Type Examination Certificate No: ACE25ATEX019U Rev00

[15] Description of equipment

The products are Exe structures which are made up of plug and receptacle. The enclosures contain and fix both pin insulator assembly (including pin contacts) and socket insulator assembly (including socket contacts) respectively. The enclosure material can be aluminum alloy 6061, brass H62 or stainless steel 316L. The cable entry device is sealed by cable clamp and compression nut with rubber sealing ring. The protection degree of enclosures is IP68(1m/1h). The product shall be installed with an increased safety enclosure.

Type as following:

Product model	Rated voltage	Rated current
Ex A18*****	32V AC	6A , 3A
Ex A22*****	32V AC、 25V AC	3A
Ex A24*****	80V AC、 32V AC、 25V AC	20A、 10A、 6A 、 3A
Ex A27*****	32V AC、 25V AC	6A 、 3A
Ex A30*****	32V AC、 20V AC	6A 、 3A
Ex A39*****	80V AC、 32V AC	18A、 6A 、 3A

Product series prefix	ExA	30	F	12-1	Z1	P	40	(W)	A001
Shell size of connector	18、 22、 24、 27、 30、 39								
Hardware style	T for plug; F-square flange receptacle								
contact layout	3、 4、 5、 7、 10-1、 10、 12、 14、 19、 14-1、 19-1、 12-1、 15、 24、 32、 16、 37、 55								
Contact gender	Z1 for pins; K1 for sockets.								
Type of shell	P-with screw thread; D-without screw thread, can not connect with accessory								

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Material and Plating

1-aluminium alloy; 11-copper alloy, electroless nicket plating;
12-copper alloy, nicket plating; 40-stainless steel ;

Polarization

Space for N, generic polarization; (W),(X),(Z),(Y)-alternative polarization;

Chain type

Space for nylon string; A001 for metal chain

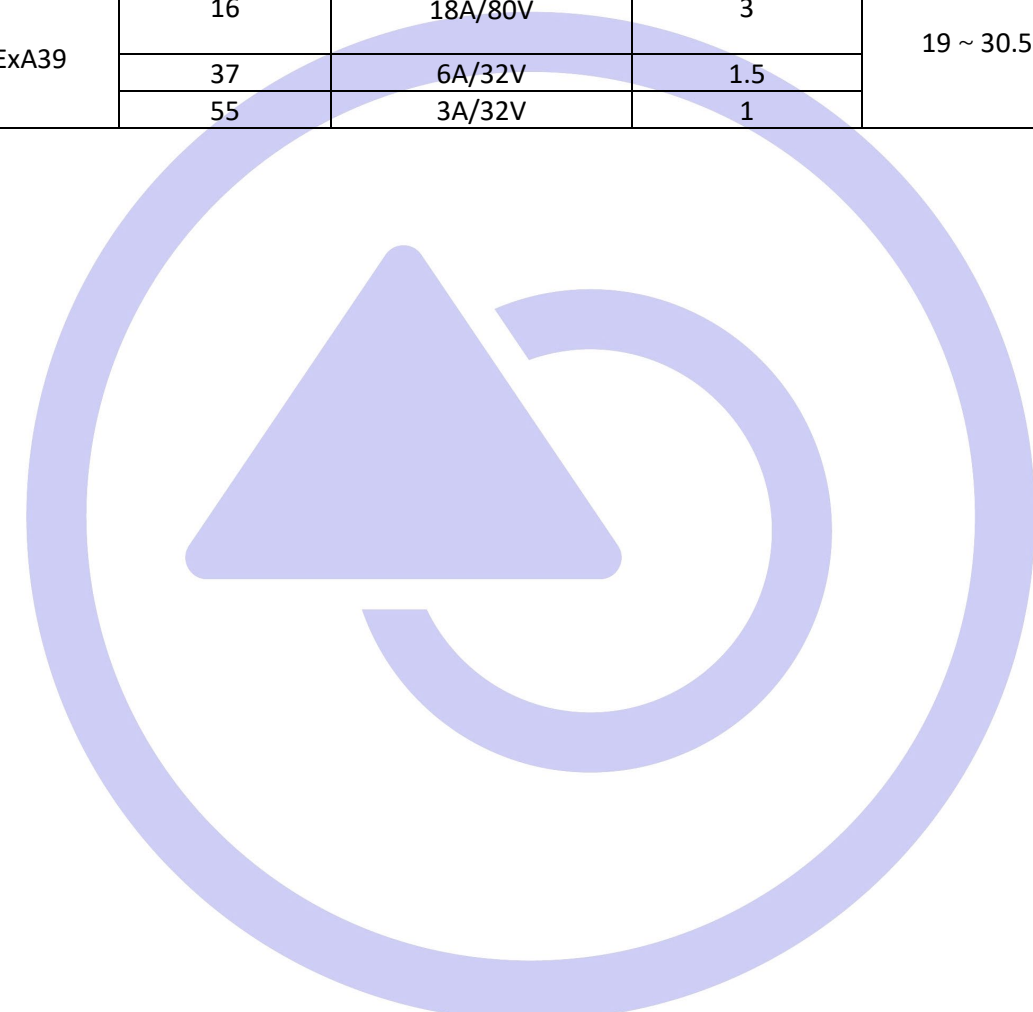
Products layout:

Model	Arrangement	electrical parameter	Wire (mm ²)	Cable Dia. (mm)
ExA18	3	6A/32V	1.5	5 ~ 9
	4	3A/32V	1.0	
	5	3A/32V	1.0	
ExA22	4	3A/32V	1.5	7 ~ 13
	7	3A/32V	1.5	
	10-1	3A/25V	1.0	
ExA24	3	20A/80V	3	7 ~ 16
	4	20A/80V	3	
	5	20A/32V	3	
	7	10A/32V	2	
	10	6A/32V	1.5	
	12	6A/25V	1.5	
	14	3A/32V	1	
19	3A/25V	1		
ExA27	14-1	6A/32V	1.5	

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EU-Type Examination Certificate

	19-1	3A/25V	1	10 ~ 18.5
ExA30	12-1	6A/32V	2	10 ~ 22
	15	6A/32V	1.5	
	24	3A/32V	1	
	32	3A/20V	1	
ExA39	16	18A/80V	3	19 ~ 30.5
	37	6A/32V	1.5	
	55	3A/32V	1	



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[13] **SCHEDULE**

[14] EU – Type Examination Certificate No: ACE25ATEX019U Rev00

[16] Test documents are listed in the test report nº
EX_EXE009_25_25-814

[17] Schedule of limitations

1. The service temperature range: -40°C~+80°C.
2. When application, the earthing is well.
3. Use only suitable heat-resisting cable with a minimum temperature rating of +80 °C.
4. Observe the warnings “WARNING - DO NOT SEPARATE WHEN ENERGIZED!”, “WARNING - DO NOT CHARGE WHEN SEPARATED!” and “WARNING - DO NOT OPEN WHEN AN EXPLOSIVE GAS ATMOSPHERE IS PRESENT!”
5. The product is certified as component, it shall be assessed together with the final equipment.
6. An O-ring and four screws are provided on the receptacle which shall be installed according to the user manual to achieve the IP68.
7. The connections for the pins and wires in the final equipment shall be assessed and the creepage and clearance distances shall be observed after the installation.

[18] Essential Health and Safety Requirements
Are fulfilled by the harmonized standard

[19] Documents and technical datasheets:

Title	Object	Revision	Date
ExA18 series explosion-proof connectors			
ExA18 series explosionproof connectors(fixed)	21E5-256-607	B	2026.3.6
Ex A18 series explosion proof plug	21E5-902-2302	B	2026.3.6
*Ex A18 series explosion proof receptacle	21E5-912-5500	B	2026.3.6
ExA22 series explosion-proof connectors			
ExA22 series explosion proof connectors(fixed)	21E5-256-608	B	2026.3.6
Ex A22 series explosion proof plug	21E5-902-2647	B	2026.3.6
*Ex A22 series explosion proof receptacle	21E5-912-6344	B	2026.3.6
ExA24 series explosion-proof connectors			
ExA24 series explosion-proof connectors(fixed)	21E5-256-609	B	2026.3.6
Ex A24 series explosion proof plug	21E5-902-2635	B	2026.3.6

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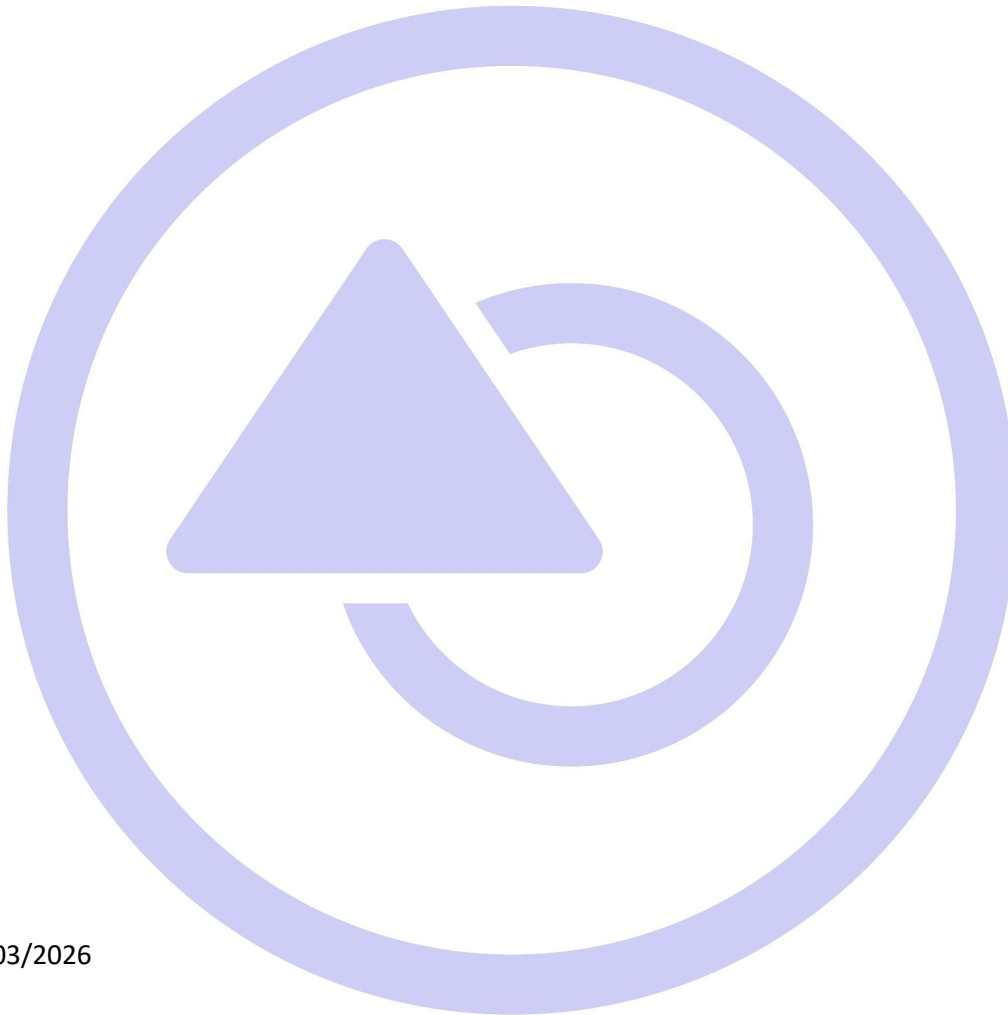
*Ex A24 series explosion proof receptacle	21E5-912-6296	B	2026.3.6
ExA27series explosion-proof connectors			
ExA27 series explosion-proof connectors(fixed)	21E5-256-632	B	2026.3.6
Ex A27 series explosion proof plug	21E5-902-2667	B	2026.3.6
*Ex A27 series explosion proof receptacle	21E5-912-6376	B	2026.3.6
ExA30 series explosion-proof connectors			
ExA30 series explosion-proof connectors(fixed)	21E5-256-610	B	2026.3.6
Ex A30 series explosion proof plug	21E5-902-2646	B	2026.3.6
*Ex A30 series explosion proof receptacle	21E5-912-6343	B	2026.3.6
ExA39 series explosion-proof connectors			
ExA39 series explosion-proof connectors(fixed)	21E5-256-635	B	2026.3.6
Ex A39 series explosion proof plug	21E5-902-2809	B	2026.3.6
*Ex A39 series explosion proof receptacle	21E5-912-6763	B	2026.3.6
IECEX Test report	Report No: CN/CQM/ExTR21.0017/00 Lab: Suzhou Electuical Apparatus Science Research Institute Co., Ltd. (EETI)	/	2021.6.20
IECEX report	Report No: CN/CQM/ExTR21.0017/01 Lab: Suzhou Electuical Apparatus Science Research Institute Co., Ltd. (EETI)	/	2022.4.18

The documents above-mentioned are strictly confidential and they are of only use of authorities.
A copy of the documents are saved by A.C.&E. Iberia S.L.

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[20] Declaration of conformity History

Number of certificate	Rev.	Comments	Date
ACE25ATEX019U	00	First emission	31/03/2026



Date: 31/03/2026



**Advanced Consulting and Engineering
Iberia SL**
Notified Body No NB3024

Matteo Marconi, CEO

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