

[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 ACE26ATEX035X Rev00
- [4] Product Valve Status Monitor Model: Series 5CS
- [5] Manufacturer Bray (China) Controls Co. Limited
- [6] Address 98 Gao Xin #6 Road, Xiao Shan Economic & Development Zone, Hangzhou, Zhejiang 311231, China
- [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_GEN024_26_26-332, EX_EXD017_26_26-332, EX_EXT014_26_26-332
- [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 60079-1:2014: Explosive atmospheres — Part 1: Equipment protection by flameproof enclosures ‘d’
EN 60079-31:2014: Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure ‘t’
- [10] If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the point 17 of This certificate.
- [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:



II 2G Ex db IIC T6 Gb/ II 2D Ex tb IIIC T85°C Db (Ta : -29°C to +58°C)
II 2G Ex db IIC T5 Gb/ II 2D Ex tb IIIC T95°C Db (Ta : -29°C to +65°C)

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Date: 27/07/2026



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: ACE26ATEX035X Rev00

[15]

Description of equipment

The Series 5CS Valve position indicator is an industrial control switch which provides an electrical indication of valve position when mechanically coupled to industrial valves.

The rated electrical parameters of the product are: 250 Vac, 10 A Maximum.

Nomenclature of the product is as follows:

5CS	0	0	0	0	-	126	A	2	536	Blank	Blank
I	II	III	IV	V		VI	VII	VIII	IX	X	XI

I. Series

a.

5CS – 5CS Series

II. Pilot Valve

a. 0 – Standard, no pilot valve

III. Solenoid

a. 0 – Standard, no solenoid

IV. Valve/Solenoid Options

a. 0 – Standard, no pilot valve or solenoid

V. Housing

a. 0 – NPT Conduit Openings

b. 5 – Metric Conduit Openings

VI. Valve Status Monitor Assembly

a. 126 – Standard

VII. Switch

a. A – SPDT mechanical switch

b. B – SPDT mechanical gold plated switch

c. C – PNP N.O. 3-wire switch

d. D – NPN N.O. 3-wire switch

e. E – PNP

f. F – 140 V 2-wire switch

g. G – 250 V 2-wire switch

h. H – NAMUR Intrinsically Safe Switches

i. J – SPDT Reed switch

j. K – SPDT Reed switch (Lower power)

k. R – NPN N.C. 3-wire switch

VIII. Switch Configuration

a. 2 – 2 switches

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b. 4 – 4 switches, 2 independent and 2 auxiliary

IX. Housing Trim

- a. 536 – Polyester on aluminum housing
- b. 5F5 – Nylon on aluminum housing

X. Language

- a. Blank – Default: English
- b. /E – English
- c. /G – German
- d. /C – Chinese
- e. /F – French
- f. /S – Spanish

XI. Indicator Color

- a. Blank – Default: Red = Close; Yellow = Open
- b. 1 – Red = Close; Yellow = Open
- c. 2 – Red = Close; Green = Open
- d. 3 – Black = Close; Yellow = Open

The body provides two threaded cable entry point types for use with a suitably certified cable gland or blanking element. The certified cable gland or blanking element, with type of protection Ex db IIC Gb, Ex tb IIIC Db, threaded type M20×1.5 or NPT1/2 and degree of protection IP66/IP67/IP68(1m/2h), shall be adopted.

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[13]

SCHEDULE

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EU – Type Examination Certificate No: ACE26ATEX035X Rev00

[16]

Test documents are listed in the test report nº
EX_GEN024_26_26-332, EX_EXD017_26_26-332, EX_EXT014_26_26-332

[17]

Special conditions for safe use

1. The relationship between the ambient temperature and temperature class and maximum surface temperature is as below:

Ambient temperature(°C)	Ex marking
-29~+58	II 2G Ex db IIC T6 Gb/ II 2D Ex tb IIIC T85°C Db
-29~+65	II 2G Ex db IIC T5 Gb/ II 2D Ex tb IIIC T95°C Db

2. Repair of the flameproof joints may only be made by the manufacturer or on behalf of the manufacturer and on his own responsibility. Contact the manufacturer for the detailed dimensions of flameproof joints.

3. The yield stress of special fasteners applied on the enclosure shall be at least 800MPa. Tighten fasteners of cover in 9.0 N·m in a cross pattern.

4. Cover bolts shall only be replaced with identical bolts from the equipment manufacturer.

5. The certified cable gland or blanking element, with type of protection Ex db IIC Gb, Ex tb IIIC Db, threaded type M20×1.5 or NPT1/2 and degree of protection IP66, shall be adopted. They shall be fitted by the end user. The installation shall conform with EN/IEC 60079-14.

6. Potential electrostatic charging hazard. See instructions for details.

7. The conduct wires with minimum rated temperature of 85°C for T6, 100°C for T5, shall be adopted

[18]

Essential Health and Safety Requirements
Are fulfilled by the harmonized standard

[19]

Documents and technical datasheets:

Title	Object	Revision	Date
Assembly drawing, general bom&creepage analysis, for 5CS configuration	5CS ASSEMBLY	2	2025.7.24
S5CS cover metric	5CS-0000-94050	5	2025.7.24
Base Series 5CS valve status monitor	5CS-0000-92550	5	2025.7.24
Base 5CS valve status monitor	5CS-0000-92500	2	2025.9.18
5CS cover o-ring	5CS-0000-71870-560	3	2025.7.24
O-ring, size 010, buna-n, 70 duro	08-0010-71870-560	3	2017.1.30
S5CS captive cover screw with stop M8x1.25p	5CS-5823-72151	1	2024.3.06

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Steel bearing for 5CS valve status monitors	5CS-0000-72700	1	2024.3.06
Indicator shaft series 5CS	5CS-0000-92950	3	2025.8.07
Series 5CS certification tag ATEX/IECEx/CCC	5CS-0000-73300	2	2025.7.02
Series 5CS nameplate tag full printing	5CS-0000-73305	2	2025.9.16
S5CS warning tag electrostatic charging hazard	5CS-0000-73306	2	2025.9.16
Series 5CS warning tag (english) for ATEX certification	5CS-0000-73304	1	2025.6.09
Series 5CS valve status monitor installation, operation manual	BSM0325-2508	2	2025.10.09

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.

[20] Declaration of conformity History

Number of certificate	Rev.	Comments	Date
ACE26ATEX035X	00	First emission	27/07/2026

Date: 27/07/2026



**Advanced Consulting and Engineering
Iberia SL**

Notified Body No NB3024

Matteo Marconi, CEO

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