



IECEX Certificate of Conformity

407014

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX CES 16.0012X**

Page 1 of 4

Certificate history:

Status: **Current**

Issue No: 1

Issue 0 (2016-05-26)

Date of Issue: **2024-05-27**

Applicant: **CORTEM S.p.A.**
Via Aquileia 10
I - 34070 Villesse (GO)
Italy

Equipment: **Command, control and signalling unit, series EJB-.., EJBX.., EJBT-.. and AQS-1**

Optional accessory:

Type of Protection: **Flameproof enclosures 'd'; Dust ignition protection 't'**

Marking: **Ex db I Mb (EJBX.. stainless steel type only)**
Ex db IIB T6 or T5 or T4 Gb
Ex db IIB+H2 T6 or T5 or T4 Gb
Ex tb III C T85 or T100 or T135 °C Db
IP66 or IP66/67

PAD C2011198 (3070297) - USO AZIENDALE

Approved for issue on behalf of the IECEx
Certification Body:

Alessandro Fedato

Position:

Head of IECEx CB

Signature:
(for printed version)

Date:
(for printed version)

2024.05.27

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Centro Elettrotecnico
Sperimentale Italiano S.p.A.
Via Rubattino 54
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Italy

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IECEX Certificate of Conformity

Certificate No.: **IECEX CES 16.0012X**

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Date of issue: 2024-05-27

Issue No: 1

Manufacturer: **CORTEM S.p.A.**
Via Aquileia 10
I - 34070 Villesse (GO)
Italy

Manufacturing
locations: **CORTEM S.p.A.**
Via Aquileia 10
I - 34070 Villesse (GO)
Italy

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

IT/CES/ExTR16.0003/00

IT/CES/ExTR16.0003/01

Quality Assessment Report:

IT/CES/QAR06.0002/18



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The **EJB-..** command, control and signalling units series are equipments composed by an Ex db or Ex tb enclosure used to install common electrical devices such as contactors, switches, measuring instruments, programmable logic controllers, pilot lights, contact blocks, command and signalling actuators mounted on the cover or on the enclosure walls, circular or rectangular transparent glass windows sealed on the cover to permit instrument reading, breathing and draining valves, etc.

The **EJB-..** command, control and signalling units series have the body and the cover made in aluminium alloy or stainless steel and are in Ex db I (stainless steel only), Ex db IIB, Ex db IIB+H₂ and Ex tb IIIC execution and can be painted with internal anticondensation painting.

The **EJB-..** series is available in two particular execution:

- with external flange for type **EJB-..**;
- with internal flange for type **AQS-1**.

The command, control and signalling units, series **EJB-..**, **EJBX-..**, **EJBT-..** and **AQS-1** characteristics are further described in the Annex of this certificate.

SPECIFIC CONDITIONS OF USE: YES as shown below: .

Installation conditions:

- The accessories used for cable entries and for closing unused openings shall be certified according to IEC 60079-0, IEC 60079-1 and IEC 60079-31. A minimum degree of protection IP66/67 shall be guaranteed according to IEC 60529 standard.
- The command, control and signalling units shall be used in the following ambient temperature range:
 - from -20°C up to +40°C/+55°C: all versions of command, control and signalling units for Group I **EJBX-..** (made in stainless steel only), Group IIB, Group IIB+H₂ and Group IIIC;
 - from -40°C up to +40°C/+55°C/+70°C: all versions of command, control and signalling units for Group IIB, Group IIB+H₂ and Group IIIC with polycarbonate pilot lights;
 - from -60°C up to +40°C/+55°C/+70°C all versions of command, control and signalling units for Group IIB, Group IIB+H₂ and Group IIIC without polycarbonate pilot lights.
- The operating temperature limits of Ex accessories used for connection of more command, control and signal unit **EJB** series, shall be duly observed.
- The minimum distance between flameproof flanged joint of the enclosure and external obstacle should be:
 - 20 mm for Group IIB execution;
 - 30 mm for Group IIB+H₂
- For radio application the antenna shall be installed in safe area or it shall respect one of the specific type of protection indicated in IEC 60079-0 and installed according to IEC 60079-14.
- If the radio antenna is installed into the Ex db enclosure it shall respect the following characteristics:
 - Radio frequency: from 9 KHz to 60 GHz
- Threshold power, effective output power of the transmitter multiplied by the antenna gain:
 - for Group IIB = 3,5 W;
 - for Group IIB+H₂ = 2,0 W.
- Thermal initiation time:
 - for Group IIB = 80 µs;
 - for Group IIB+H₂ = 20 µs.
- For pulsed radar and other transmissions where the pulses are not short compared with the thermal initiation time, the threshold energy values shall not exceed those given follow:
 - for Group IIB = 250 µJ;
 - for Group IIB+H₂ = 50 µJ.

Manufacturing conditions: See Annex.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 1.1: The **Command, control and signalling units EJB..** originally assessed in compliance with IEC 60079-0:2011 have been re-assessed on the basis of the new edition of IEC 60079-0:2017 Standard.

Variation 1.2: Extended the ambient temperature up to +70°C;

Variation 1.3: The equipment can be supplied with external/internal coating and valves ECD-2 series.

Variation 1.4: Minor changes were applied to Drawing A3-6210.

Variation 1.5: Certified accessories admitted for cable entries and for connection of more command, control and signal unit EJB series were added.

Unchanged the other constructional characteristics of Command, control and signalling units **EJB..** series.

Annex:

[CORTEM - IECEx CES 16.0012X Issue 01 ANNEX - EJB Command and Control units_1.pdf](#)



Prot: C2011198

Annex to certificate:

Applicant:

Electrical Apparatus:

IECEX Certificate of Conformity

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IECEX CES 16.0012X Issue No: 1 of 27th May 2024

CORTEM S.p.A.

Via Aquileia, 10 - 34070 Villesse (Gorizia - Italia)

**Command and Control units EJB-.., EJBX-.., EJBT-.. and
AQS-1 series**

Description of the equipment:

The **EJB-..** command, control and signalling units series are equipment composed by an Ex db flameproof enclosure used to install common electrical devices such as contactors, switches, measuring instruments, programmable logic controllers, pilot lights, contact blocks, command and signalling actuators mounted on the cover or on the enclosure walls, circular or rectangular transparent glass windows sealed on the cover to permit instrument reading, breathing and draining valves, etc.

The **EJB-..** command, control and signalling units series have the body and the cover made in aluminium alloy or stainless steel and are in Ex db I (EJBX.. stainless steel only), Ex db IIB, Ex d IIB+H₂ and Ex tb IIIC execution and can be painted with internal anticondensation painting.

The **EJB-..** series is available in two particular executions:

- with external flange for series **EJB-..**;
- with internal flange for model **AQS-1**.

Gaskets between cover and body flanged joint and for all other accessories are made in silicon and they guarantee the protection degree IP66 while IP67 for Equipment without control-signal operators only.

The flanged joint between the body of **EJB-..** command, control and signalling units series and the covers are fixed with quality A2-70 stainless steel screws.

The walls of the Equipment can be drilled and threaded with maximum size and maximum number of hubs as specified in the manufacturer documents annexed. Each enclosure is provided with internal and external earthing screw or bolt.

Electrical characteristics:

Rated voltage:	12 ÷ 250	Vdc
	24 ÷ 1000	Vac
Nominal frequency:	50/60	Hz
Max. rated current:	650	A
Maximum power for lamps:	3W with Tamb. +55°C	

Ex db flameproof enclosure EJB-45, EJB-5, EJB-5B, EJB-55B sizes restrictions:

Rated voltage:	750	Vdc
Max. rated current:	630	A

Ex db flameproof enclosure EJB-55, EJB-6, EJB-6B, EJB-7, EJB-7B sizes restrictions:

Rated voltage:	690	Vac
Nominal frequency:	50/60	Hz
Max. rated current:	1000	A



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CORTEM S.p.A.

Via Aquileia, 10 - 34070 Villesse (Gorizia - Italia)

Command and Control units EJB-., EJBX-., EJBT-.. and AQS-1 series



Table of typical electrical and electronic Equipment inside the boxes:

DESCRIPTION	[V]	DISSIPATED POWER (W)	[A]
analogical digital instruments	660	10	5
electronic gear case	400	10	-
PLC, multiplexer, amplifier	240	80	-
control and gauging device	240	100	-
automatic breakers	660	-	650
fuses	660	-	400
air thermal relays	500	12	10
electronic control device	660	100	-
air contactors	660	30	650
sequence timer	240	5	10
photoelectrical cell	240	2	-
capacitors (discharge time 30sec)	660	-	-
transformers	660	200	-
resistors	240	300	-
terminals	660	-	-
ballasts	277	40	7,5

The ratings specified are maximum values, actual values will be subject to the electrical equipment/component used from case to case. Depending on the system conditions, the mode of operation, the utilisation category, etc., the manufacturer will define ratings which will be within the range of these limiting values and will comply with the relevant Standards.

Model identification:

Aluminium alloy Equipment		Stainless steel Equipment
EJB series	EJBT series	EJBX series
AQS-1	-	-
EJB-01	EJBT0	EJBX-01
-	-	EJBX-01B
EJB-1	EJBT1	EJBX-1
EJB-2	EJBT2	EJBX-2
-	EJBT2CB	-
-	EJBT2C	-
EJB-3	EJBT3	EJBX-3
EJB-3B	EJBT3B	EJBX-3B
EJB-4	EJBT4	EJBX-4
EJB-4B	EJBT4B	EJBX-4B
EJB-45	EJBT45	EJBX-45
EJB-45B	EJBT45B	EJBX-45B
EJB-48BA	-	-
EJB-5	EJBT5	EJBX-5



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CORTEM S.p.A.

Via Aquileia, 10 - 34070 Villesse (Gorizia - Italia)

Command and Control units EJB-., EJBX-., EJBT-.. and AQS-1 series



Aluminium alloy Equipment		Stainless steel Equipment
EJB series	EJBT series	EJBX series
EJB-5B	EJBT5B	EJBX-5B
EJB-55	EJBT55	EJBX-55
EJB-55B	EJBT55B	EJBX-55B
EJB-503	-	-
EJB-55C	-	-
EJB-6	EJBT6	EJBX-6
EJB-6B	EJBT6B	EJBX-6B
EJB-7	EJBT7	EJBX-7
EJB-7B	-	-

Maximum dissipated power:

Table 1.

Type			Maximum dissipated power inside Equipment (T _{amb.} = +40°C)			
Aluminium alloy		Stainless steel	no signalling lamps, only LED are allowed		with lamps and/or LEDs	without signalling lamps and LEDs
			T6/T85°C	T5/T100°C	T5/T100°C	T4/T135°C
EJBT0 / EJBT2CB	EJB-01	-	30 W	45 W	30 W	100 W
EJBT1 / EJBT2C	EJB-1	EJBX-1	45 W	65 W	45 W	140 W
EJBT2	EJB-2	EJBX-2	60 W	85 W	60 W	190 W
EJBT3	EJB-3	EJBX-3	75 W	110 W	75 W	245 W
EJBT3B	EJB-3B	EJBX-3B	55 W	80 W	55 W	180 W
EJBT4	EJB-4	EJBX-4	100 W	175 W	100 W	350 W
EJBT4B	EJB-4B	EJBX-4B	75 W	130 W	75 W	260 W
EJBT45	EJB-45	EJBX-45	140 W	240 W	140 W	480 W
EJBT45B	EJB-45B	EJBX-45B	120 W	210 W	120 W	430 W
-	EJB-48BA	-	120 W	210 W	120 W	430 W
EJBT5	EJB-5	EJBX-5	210 W	315 W	210 W	600 W
EJBT5B	EJB-5B	EJBX-5B	170 W	250 W	170 W	480 W
-	EJB-503	-	230 W	345 W	230 W	660 W
EJBT55	EJB-55	EJBX-55B	260 W	380 W	260 W	740 W
EJBT55B	EJB-55B	-	260 W	380 W	260 W	740 W
-	EJB-55C	EJB-55	360 W	550 W	360 W	1050 W
EJBT6	EJB-6	EJBX-6	600 W	910 W	600 W	1740 W
EJBE-6B	EJB-6B	EJBX-6B	490 W	720 W	490 W	1390 W



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CORTEM S.p.A.

Via Aquileia, 10 - 34070 Villesse (Gorizia - Italia)

Command and Control units EJB-., EJBX-., EJBT-.. and
AQS-1 series

Table 1. follows:

Type			Maximum dissipated power inside Equipment (Tamb. = +40°C)			
Aluminium alloy		Stainless steel	no signalling lamps, only LED are allowed	with lamps and/or LEDs	without signalling lamps and LEDs	
			T6/T85°C	T5/T100°C	T5/T100°C	T4/T135°C
-	EJB-7	-	770 W	1170 W	770 W	2270 W
-	EJB-7B	-	600 W	910 W	600 W	1740 W
-	-	EJBX-7	610 W	930 W	610 W	1780 W
-	AQS-1	-	100 W	150 W	100 W	280 W

Table 2.

Type			Maximum dissipated power inside Equipment (Tamb. = +55°C)			
Aluminium alloy		Stainless steel	no signalling lamps, only LEDs are allowed	with lamps and/or LEDs	without signalling lamps and LEDs	
			T6/T85°C	T5/T100°C	T5/T100°C	T4/T135°C
EJBT0 / EJBT2CB	EJB-01	-	25 W	40 W	25 W	80 W
EJBT1 / EJBT2C	EJB-1	EJBX-1	34 W	50 W	34 W	105 W
EJBT2	EJB-2	EJBX-2	45 W	65 W	45 W	142 W
EJBT3	EJB-3	EJBX-3	56 W	82 W	56 W	184 W
EJBT3B	EJB-3B	EJBX-3B	40 W	60 W	40 W	135 W
EJBT4	EJB-4	EJBX-4	75 W	130 W	75 W	262 W
EJBT4B	EJB-4B	EJBX-4B	56 W	100 W	56 W	195 W
EJBT45	EJB-45	EJBX-45	105 W	180 W	105 W	360 W
EJBT45B	EJB-45B	EJBX-45B	90 W	160 W	90 W	320 W
-	EJB-48BA	-	90 W	160 W	90 W	320 W
EJBT5	EJB-5	EJBX-5	160 W	235 W	160 W	450 W
EJBT5B	EJB-5B	EJBX-5B	130 W	190 W	130 W	360 W
-	EJB-503	-	176 W	255 W	176 W	495 W
EJBT55	EJB-55	EJBX-55B	200 W	300 W	200 W	565 W
EJBT55B	EJB-55B	-	160 W	235 W	160 W	450 W
-	EJB-55C	EJB-55	270 W	400 W	270 W	765 W
EJBT6	EJB-6	EJBX-6	460 W	680 W	460 W	1300 W
EJBE-6B	EJB-6B	EJBX-6B	370 W	550 W	370 W	1040 W
-	EJB-7	-	590 W	890 W	590 W	2090 W
-	EJB-7B	-	460 W	680 W	460 W	1300 W
-	-	EJBX-7	470 W	690 W	470 W	1310 W
-	AQS-1	-	75 W	110 W	75 W	205 W



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CORTEM S.p.A.

Via Aquileia, 10 - 34070 Villesse (Gorizia - Italia)

Command and Control units EJB-..., EJBX-..., EJBT-.. and
AQS-1 series

Table 3.

Type			Maximum dissipated power inside Equipment			
			Tamb. = +70°C			
			no signalling lamps, only LEDs are allowed		with lamps and/or LEDs	without signalling lamps and LEDs
Aluminium alloy		Stainless steel	T6/T85°C	T5/T100°C	T5/T100°C	T4/T135°C
EJBT0 / EJBT2CB	EJB-01	-	20 W	35 W	20 W	60 W
EJBT1 / EJBT2C	EJB-1	EJBX-1	23 W	35 W	23 W	70 W
EJBT2	EJB-2	EJBX-2	30 W	45 W	30 W	94 W
EJBT3	EJB-3	EJBX-3	37 W	54 W	37 W	123 W
EJBT3B	EJB-3B	EJBX-3B	25 W	40 W	25 W	90 W
EJBT4	EJB-4	EJBX-4	50 W	85 W	50 W	174 W
EJBT4B	EJB-4B	EJBX-4B	37 W	70 W	37 W	130 W
EJBT45	EJB-45	EJBX-45	70 W	120 W	70 W	240 W
EJBT45B	EJB-45B	EJBX-45B	60 W	110 W	60 W	210 W
-	EJB- 48BA	-	60 W	110 W	60 W	210 W
EJBT5	EJB-5	EJBX-5	110 W	155 W	110 W	300 W
EJBT5B	EJB-5B	EJBX-5B	90 W	130 W	90 W	240 W
-	EJB-503	-	122 W	165 W	122 W	330 W
EJBT55	EJB-55	EJBX-55B	140 W	220 W	140 W	390 W
EJBT55B	EJB-55B	-	110 W	155 W	110 W	300 W
-	EJB-55C	EJB-55	180 W	250 W	180 W	480 W
EJBT6	EJB-6	EJBX-6	320 W	450 W	320 W	860 W
EJBE-6B	EJB-6B	EJBX-6B	250 W	380 W	250 W	690 W
-	EJB-7	-	410 W	610 W	410 W	1910 W
-	EJB-7B	-	320 W	450 W	320 W	860 W
-	-	EJBX-7	330 W	450 W	330 W	840 W
-	AQS-1	-	50 W	70 W	50 W	130 W

Cable Entries

The accessories used for the cable entries and to close the unused holes, shall be subject of a separate certification, shall be used according to the Safety Instructions reported in the relevant certificate and shall guarantee the same type/degree of protection assigned to the Equipment. Moreover, the accessories shall be suitable to be use in the ambient temperature range assigned to the Equipment.



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Annex to certificate:

Applicant:

Electrical Apparatus:

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CORTEM S.p.A.

Via Aquileia, 10 - 34070 Villesse (Gorizia - Italia)

Command and Control units EJB-..., EJBX-..., EJBT-.. and
AQS-1 series



Cable Entries, follows;

In case of cylindrical threads, the coupling shall be locked against loosening using thread-lock compound.

In addition, certified sealing fittings or sealing bushings can be used for cable entries and for connection of other units. To facilitate the installation of the sealed joints, certified conduit fittings can be used. The certified accessories admitted are as follows:

- Sealing fittings EYS, EYD, EZS, EZD series;
- Sealing bushings NPS, CP, TP, NCS, LPS series;
- Three-pieces conduit unions R, B, RB series;
- Nipples NP, Couplings EM and Elbows ELF series;
- Adaptors RE, REB, REM, REN series and Plugs PLG.

The operating temperature limits of Ex certified accessories admitted, shall be duly observed during command, control and signal unit EJB Equipment mounting.

Furthermore, the different types of protection of the equipment enclosures connected by means of these Ex certified accessories shall be duly fulfilled.

Manufacturing conditions:

- For ignition transformers application, the following electrical characteristics are admitted:
 - Primary voltage: 1000 V max.
 - Secondary voltage: 20 kV (impulse 25 kV max for 3 msec.).
 - Secondary current: 50 mA.
- For power transformer applications (only EJB-7 type) are admitted installation of single-phase or three-phase transformers having the maximum dissipated power (W) lower than the maximum dissipated power admitted in Table 1 and Table 2.
Furthermore, the box type EJB-7 is suitable also for installation of three-phase power transformer with maximum power of 15 kVA.
- For motor inverter application, the following configuration are admitted:

Enclosure size	Motor inverter max. power [kW]		Max. dissipated power [W]	Max. Cooling fun flowrate [m ³ /h]
	T _a +40°C	T _a +55°C		
EJB-4	2.2	1.5	73	44
EJB-45	2.2	1.5	73	44
EJB-5	5.5	4.0	172	44
EJB-6	7.5	5.5	232	88
EJB-7	7.5	5.5	323	88



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IECEX CES 16.0012X Issue No: 1 of 27th May 2024

CORTEM S.p.A.

Via Aquileia, 10 - 34070 Villesse (Gorizia - Italia)

**Command and Control units EJB-., EJBX-., EJBT-.. and
AQS-1 series**

- For surge protective devices application, the following configuration are admitted:

PDR type	Max. protection [kA]	Protection Breaker (C curve type) [A]
PDR65	65	50
PDR40	40	40
PDR20	20	25
PDR8	8	20

- On the Equipment types EJB -55, EJB -6, EJB 6B, EJB -7, EJB -7B can be installed MCCB (MOLDED CASE CIRCUIT BREAKER) automatic breakers or on load isolator switches, three or four poles for rated current from 800 A up to 1000 A.
- On the bigger sizes of Equipment type EJB-45, EJB -5, EJB-5B, EJB-55, EJB-55B, EJB -6, EJB 6B, EJB -7, EJB- 7B can be installed MCCB automatic breakers or on load isolator switches, three or four poles for rated current up to 630 A suitable for DC circuits with rated voltage up to 750 VDC.
 - MCCB size 630 A is suitable for max current 630 A at max voltage 360 VDC at ambient temperature +40°C or derated to 500 A for an ambient temperature of +55°C at maximum voltage 500 VDC.
 - MCCB size 800 A is derated for max current 630 A at max voltage 750 VDC for ambient temperature of +55°C.

Routine tests:

The routine overpressure test shall be carried out on empty enclosure with the static method (paragraph 15.2.3.2 of IEC 60079-1 Standard), at:

- 12.3 bar on all EJB enclosures for minimum ambient temperature until -20 °C;
- 12.3 bar on all EJBX enclosures for minimum ambient temperature until -20 °C;
- 14.9 bar on all EJB enclosures for minimum ambient temperature until -40 °C;
- 15.2 bar on all EJBX enclosures for minimum ambient temperature until -40 °C;
- 16.4 bar on all EJB enclosures for minimum ambient temperature until -60 °C;
- 17.0 bar on all EJBX enclosures for minimum ambient temperature until -60 °C.

Warning labels:

"Use screws of quality A2-70 with tensile strength of at least 700 N/mm²."

"Warning - do not open when energized".

For equipment with capacitors:

"After de-energizing, wait 10 minutes before opening".

For equipment with batteries or cells:

"Warning – Do not open when an explosive atmosphere is present".



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Command and Control units EJB-., EJBX-., EJBT-.. and
AQS-1 series



Warning labels, follows:

For equipment with temperature class T5:

“Use cables suitable for temperature of 90°C”.

For equipment with temperature class T4:

“Use cables suitable for temperature of 100°C”.

For products complete with external coating in non-metallic material with a thickness:

- > 0.2 mm for IIB+H₂ execution *or*
- > 2 mm for IIB execution

“Warning – Potential electrostatic charging hazard – for cleaning use only a damp cloth”.

LIST OF THE COMPONENTS/DEVICES INTENDED TO BE INSTALLED ON THE EQUIPMENT SERIES

Ex Equipment / Component	Model / Type	Manufacturer	Type of protection	Certificate Number
Empty enclosure series	EJB-., EJBX-., EJBT-.. and AQS-1 type	CORTEM S.p.A.	Ex db IIB Gb Ex db IIB+H ₂ Gb Ex tb IIIC Db Ex db I Mb (EJBX-.)	IECEX CES 14.0017U
Signal and control operators series	M-0...	CORTEM S.p.A.	Ex db IIC Gb Ex tb IIIC Db	IECEX CES 14.0030U
Pilot Lights	M-0487	CORTEM S.p.A.	Ex db IIC Gb Ex tb IIIC Db	IECEX CES 11.0030U
Breathing and Draining valves series	ECD-2..	ELFIT S.p.A.	Ex db IIB/IIC Gb Ex eb IIB/IIC Gb Ex tb IIIC Db	IECEX CES 14.0016U
Range of Adaptors, Plugs and Fittings	RE-., REB-., REM-., REN-.. and PLG-..	CORTEM S.p.A.	Ex db IIC Gb Ex db eb IIC Gb Ex eb IIC Gb	IECEX CES 10.0001X
Three-pieces connection fittings series	R-., B-.. and RB-..	CORTEM S.p.A.	Ex db IIB Gb Ex db IIC Gb (R-.) Ex tb IIIC Db	IECEX CES 10.0002U
Conductor Sealing Bushings types	NPS-., TP-., NCS-., CP-.. and LPS-..	CORTEM S.p.A.	Ex db IIC Gb Ex tb IIIC Db (NPS-.)	IECEX CES 10.0003U
Sealing fittings series	EYS-., EZS-., EYD-.. and EZD-..	CORTEM S.p.A.	Ex db IIC Gb (EYD-.,EZD-.) Ex db IIC Gb and Ex tb IIIC Db (EYS-.,EZS-.)	IECEX CES 14.0019X
Nipples, Couplings and Elbow series	NP-., EM-., ELF-., ELM-.. and ELMF-..	CORTEM S.p.A.	Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db	IECEX CES 15.0005U