TÜVNORD

(1)

EU-Type-Examination Certificate

TÜVNORD
TUV CYPRUS LTD
ATEX 2014/34/EU
tuv-nord.com/cy

(2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 2014/34/EU**

(3)	Certificate Number:	**TÜV CY 26 ATEX 0207540 X**
(4)	for the Equipment:	Explosion-proof anticorrosive plug and sockets Type: CMBSP07 Series
(5)	of the Manufacturer:	**Cortem S.p.A**
(6)	Address:	Via Aquileia 10,34070 Villesse, (Go) Italy
	Order Number:	AT0207540
	Date of issue:	2026/06/15

(7) The design of this equipment or protective system and any acceptable variation thereto are specified in the schedule to this EU-Type-Examination Certificate and the documents therein referred to.

(8) TÜV CYPRUS Ltd, notified body No. 2261 in accordance with Article 17 of the Council Directive of 2014/34/EU of February 26, 2014, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems 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. 26 0207540.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-7:2015, EN IEC 60079-7:2015/A1:2018, EN 60079-31:2014
The following was used as reference: **EN IEC 60079-31:2024**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EU-Type-Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment which are not covered by this certificate.

(12) The marking of the equipment or protective system must include the following:

II 2G Ex db eb IIC T6...T4 Gb, II 2D Ex tb IIIC T80°C Db

Nicosia, 15.06.2026

For the Notified Body

Notified Body
TÜV CYPRUS
TÜV NORD GROUP
2261

TÜV CYPRUS LTD
2 Papaflessa, 2235, Latsia
Nicosia, Cyprus
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CYSAB ISO/IEC 17065:2012
No. of Accred.: C004
Product Certification

TÜV®

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(13) SCHEDULE

(14) EU-Type-Examination Certificate No. TÜV CY 26 ATEX 0207540 X

(15) Description of equipment:

The CMBSP07 Series Explosion-proof anticorrosive plug and sockets is comprised with plug, socket and ATEX cable glands or ATEX plugs. Each product consists of plug and socket with the same explosion-proof safety concept: an explosion-proof unsaturated resin enclosure designed as type of protection Ex eb and Ex tb, and a built-in flame proof cavity as type of protection Ex db for interlocking switch.
The plug enclosure material is made of PA66 and plug core is fixed inside. The socket cover material is made of PA66 or PC and socket enclosure material is made of BMC, switch and socket core are fixed inside.
The ingress protection of enclosure fulfils the requirements of IP66 according to EN 60529.

Identification code:

□ BSP07- □/□/□□ □
(1) (2) (3)(4)(5)(6)(7)

1	Enterprise code: CM
2	Explosion-Proof anticorrosive plug and sockets
3	Rated current (A): 10, 16, 20, 25, 30, 32, 50, 60, 63, 100, 115, 125
4	Rated voltage (V): AC690-(AC600 to 690 or AC347/600 to 400/690), AC 500-(AC480 to 500 or AC277/480 to 288/500), AC 415-(AC380 to 415 or AC200/346 to 240/415), AC 250-(AC200 to 250 or AC120/200 to 144/250), AC 130-(AC100 to 130 or AC57/100 to 75/130),DC25-(DC20 to 25), DC50-(DC36 to 50), AC25-(AC20 to 25), AC50-(AC36 to 50), DC250-(DC50 to 250)
5	Number of pins: 2P, 3P-2P+PE or 1P+N+PE, 4P-3P+PE, 5P-3P+N+PE
6	Hardware style: Blank-Pedestal complete set, Z- Socket, T- Plug, L- Coupler complete set, LZ-Coupler socket, M-Panel complete set, MZ-Panel socket, X-25° Panel complete set, XZ-25° Panel socket
7	F-auxiliary contact (100A,115A, 125A version only; not marked if absent)

Technical data:

Model	Rated current (A)	Ex Marking	Ambient temperature	Wire diameter	Ts cable gland (°C)
CMBSP07-10/□/2P□ CMBSP07-16/□/2P□ CMBSP07-10/□/3P□ CMBSP07-16/□/3P□	10 16	II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +50°C	2.5mm²	+80
		II 2G Ex db eb IIC T5 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +65°C		+85
		II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +60°C	4.0 mm²	+80
		II 2G Ex db eb IIC T5 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +65°C		+80

CMBSP07-20/□/2P□ CMBSP07-20/□/3P□	20	II 2G Ex db eb IIC T5 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +53°C	2.5mm²	+80
		II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +50°C	4.0 mm²	+80
		II 2G Ex db eb IIC T5 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +60°C		+80
CMBSP07-10/□/4P□ CMBSP07-16/□/4P□ CMBSP07-10/□/5P□ CMBSP07-16/□/5P□	10 16	II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +50°C	4.0 mm²	+80
		II 2G Ex db eb IIC T5 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +65°C		+90
CMBSP07-20/□/4P□ CMBSP07-20/□/5P□	20	II 2G Ex db eb IIC T5 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +50°C		+85
CMBSP07-20/□/□□	20	II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +55°C	4.0 mm²	+80
		II 2G Ex db eb IIC T5 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +60°C		+80
		II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +55°C	6.0 mm²	+80
		II 2G Ex db eb IIC T5 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +65°C		+80
CMBSP07-25/□/□□	25	II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +40°C	4.0 mm²	+80
		II 2G Ex db eb IIC T5 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +55°C		+80
		II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +50°C	6.0 mm²	+80
		II 2G Ex db eb IIC T5 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +60°C		+80
CMBSP07-30/□/□□ CMBSP07-32/□/□□	30 32	II 2G Ex db eb IIC T5 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +50°C	6.0 mm²	+80
CMBSP07-50/□/□□ CMBSP07-60/□/□□ CMBSP07-63/□/□□	50 60 63	II 2G Ex db eb IIC T5 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +40°C	16.0 mm²	+80
		II 2G Ex db eb IIC T4 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +50°C		+85
CMBSP07-100/□/□□ CMBSP07-100/□/□□F	100	II 2G Ex db eb IIC T4 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +55°C	35.0 mm²	+90
		II 2G Ex db eb IIC T5 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +55°C	50.0 mm²	+85
		II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +40°C		+80
CMBSP07-115/□/□□ CMBSP07-115/□/□□F	115	II 2G Ex db eb IIC T5 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +40°C	35.0 mm²	+85
		II 2G Ex db eb IIC T5 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +45°C	50.0 mm²	+80
CMBSP07-125/□/□□ CMBSP07-125/□/□□F	125	II 2G Ex db eb IIC T4 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +40°C	50.0 mm²	+80
CMBSP07-10/□/2PL CMBSP07-16/□/2PL CMBSP07-10/□/3PL CMBSP07-16/□/3PL	10 16	II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +55°C	4.0 mm²	+80
		II 2G Ex db eb IIC T5 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +60°C		+80
CMBSP07-20/□/2PL CMBSP07-20/□/3PL	20	II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +40°C		+80
		II 2G Ex db eb IIC T5 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +55°C		+80
CMBSP07-10/□/4PL CMBSP07-16/□/4PL CMBSP07-10/□/5PL CMBSP07-16/□/5PL	10 16	II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +48°C	4.0 mm²	+80
		II 2G Ex db eb IIC T5 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +60°C		+85

CMBSP07-20/□/4PL CMBSP07-20/□/5PL	20	II 2G Ex db eb IIC T5 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +45°C	4.0 mm²	+80
CMBSP07-20/□/□L CMBSP07-25/□/□L	20 25	II 2G Ex db eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +50°C	6.0 mm²	+80
		II 2G Ex db eb IIC T5 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +63°C		+80
CMBSP07-32/□/□L	32	II 2G Ex db eb IIC T5 Gb II 2D Ex tb IIIC T80°C Db	-45°C to +50°C		+80

Rated current	Rated voltage	Number of pins	Frequency
10A 16A 20A	DC: 20 to 25	2 pins (2P)	/
	DC: 36 to 50		
	AC: 20 to 25		50/60Hz Max. 500Hz
	AC: 36 to 50		
	DC: 20 to 25	3 pins (1P+N+PE) (2P+PE)	/
	DC: 36 to 50		
	DC: 50 to 250		
	AC: 20 to 25		50/60Hz Max. 500Hz
	AC: 36 to 50		
	AC: 100 to 130		
	AC: 200 to 250		
	DC: 20 to 25	4 pins(3P+PE)	/
	DC: 36 to 50		
	AC: 20 to 25		50/60Hz Max. 500Hz
	AC: 36 to 50		
	AC: 100 to 130		
	AC: 200 to 250		
	AC: 380 to 415		
	AC: 480 to 500		
	AC: 600 to 690		
	DC: 20 to 25	5 pins (3P+N+PE)	/
	DC: 36 to 50		
	AC: 20 to 25		50/60Hz Max. 500Hz
	AC: 36 to 50		
	AC: 57/100 to 75/130		
	AC: 120/200 to 144/250		
	AC: 200/346 to 240/415		
	AC: 277/480 to 288/500		
	AC: 347/600 to 400/690		
20A 25A 30A 32A	DC: 20 to 25	2 pins (2P)	/
	DC: 36 to 50		
	AC: 20 to 25		50/60Hz Max. 500Hz
	AC: 36 to 50		
	DC: 20 to 25	3 pins or 4 pins (1P+N+PE) (2P+PE) (3P+PE)	/
	DC: 36 to 50		
	AC: 20 to 25		50/60Hz Max. 500Hz
	AC: 36 to 50		
	AC: 100 to 130		
	AC: 200 to 250		
	AC: 380 to 415		
	AC: 480 to 500		
	AC: 600 to 690		
20A 25A 30A 32A	DC: 20 to 25	5 pins (3P+N+PE)	/
	DC: 36 to 50		
	AC: 20 to 25		50/60Hz Max. 500Hz
	AC: 36 to 50		
	AC: 57/100 to 75/130		
	AC: 120/200 to 144/250		
	AC: 200/346 to 240/415		

	AC: 277/480 to 288/500		
	AC: 347/600 to 400/690		
50A 60A 63A	AC: 100 to 130	3 pins or 4 pins (2PE+PE) (3P+PE)	50/60Hz Max. 500Hz
	AC: 200 to 250		
	AC: 380 to 415		
	AC: 480 to 500		
	AC: 600 to 690		
	AC: 57/100 to 75/130	5 pins (3P+N+PE)	
	AC: 120/200 to 144/250		
	AC: 200/346 to 240/415		
	AC: 277/480 to 288/500		
	AC: 347/600 to 400/690		
100A 115A 125A	AC: 100 to 130	3 pins or 4 pins (2PE+PE) (3P+PE)	50/60Hz Max. 500Hz
	AC: 200 to 250		
	AC: 380 to 415		
	AC: 480 to 500		
	AC: 600 to 690		
	AC: 57/100 to 75/130	5 pins (3P+N+PE)	
	AC: 120/200 to 144/250		
	AC: 200/346 to 240/415		
	AC: 277/480 to 288/500		
	AC: 347/600 to 400/690		

WARNING:

WARNING –DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT! (only for Ex t)

WARNING – DO NOT OPEN WHEN ENERGIZED!

WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS

(16) Test documents are listed in the test report No. 26 0207540

(17) Special conditions for safe use:

1) Refer to instructions for the relation between model, ratings, Ex marking and ambient temperature.
2) The equipment shall not be installed in a location where the dust can accumulate, and shall not be installed in a location where the external conditions are conducive to the buildup of electrostatic charge on such surfaces. In addition, only should be cleaned with damp cloth.
3) Repairs of the flameproof joints shall not be allowed.
4) As the electrical parameter depends on the built-in electrical component, the operating parameters described in the instruction shall be followed.
5) The 90°C high-temperature-resistant cable shall be selected. And for CMBSP07-100/□/□□□, CMBSP07-115/□/□□□, CMBSP07-125/□/□□□, the user shall provide additional clamping.
6) Separated certified cable glands or blanking elements, type of Ex e and Ex t, described in the instruction manual shall be used during the operation.
7) Observe the warning
   a) "WARNING - DO NOT OPEN WHEN ENERGIZED!"
   b) "WARNING - DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT!" (only for Ex t)
   "WARNING - POTENTIAL ELECTROSTATIC CHARGING HAZARD - SEE INSTRUCTIONS"
8) Each CMBSP07 series plug shall only be used with a CMBSP07 series socket covered by this certificate.
9) Metal cable glands or blanking elements shall be incorporated with earthing connection when installation if applicable, and the installation layout shall ensure that external metallic labels are not expected to be approached by earthed objects.
10) When the product is used as panel mounting, the local temperature around the socket shall not exceed corresponding maximum Ta.

(18) Essential Health and Safety Requirements:

This EU Type examination certificate covers only the Essential Health and Safety Requirements related to the Directive 2014/34/EU.