



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx CES 11.0011X Issue No.:0 Certificate history:  
Status: Current  
Date of Issue: 2012-04-27 Page 1 of 3  
Applicant: **CORTEM S.p.A.**  
Via Aquileia 10  
I - 34070 Villesse (GO)  
Italy

Electrical Apparatus: **Socket devices series PY-... and plugs series SPY-...**  
Optional accessory:

Type of Protection: **Flameproof enclosure "d", Dust ignition protection "t"**

Marking: **Ex d IIC T6 Gb**  
**Ex tb IIIC T76°C Db IP65**

Approved for issue on behalf of the IECEx  
Certification Body:

Mirko Balaz

Position:

Head of IECEx CB

Signature:  
(for printed version)

*[Handwritten signature]*  
24-11-2012

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

**CESI**  
**Centro Elettrotecnico**  
**Sperimentale Italiano S.p.A.**  
Via Rubattino 54  
20134 Milano  
Italy

**CESI**

**CESI** S.p.A.  
Testing & Certification Division  
*[Handwritten signature]*



# IECEx Certificate of Conformity

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Page 2 of 3

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

Manufacturing location(s):

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 electrical apparatus 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:

<b>IEC 60079-0 : 2007-10</b> Edition: 5	Explosive atmospheres - Part 0: Equipment - General requirements
<b>IEC 60079-1 : 2007-04</b> Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-31 : 2008</b> Edition: 1	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

*This Certificate **does not** indicate compliance with electrical 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 Report:

IT/CES/ExTR11.0012/00

### Quality Assessment Report:

IT/CES/QAR06.0002/06



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Page 3 of 3

## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The Py series of Socket Outlets and SPY series Plugs are rated up to 32 Amps, 690VAC with either 3 or 4 or 5 pins configuration. The socket has an integral switch in the base and is enclosed in a flameproof enclosure. The integral switch is operated by Inserting the plug into the socket, and rotating the plug to the ON position of switch. The plug may not be disengaged while the switch is activated (ON position) due to a locking lug arrangement. The socket outlet body, cover and plug are typically manufactured in copper free aluminium alloys. In alternative, the socket outlet body, cover and plug can be made in steel, stainless steel, or bronze.

Model reference:

PY-xyz

SPY-xyz

x- number of poles (2, 3 or 4)

y- max current range (16, 32)

z -colour

### ELECTRICAL CHARACTERISTICS

The socket-outlet and plugs are rated at: 16/20A and 30/32A with two poles + earth, three poles + earth and three poles and neutral + earth.

Voltage range < 690V and frequency max 500Hz

Ambient temperature: from -20°C to +50°C

### CONDITIONS OF CERTIFICATION: YES as shown below:

- The flamepaths are specified in the manufacturer drawings. For information regarding the dimensions of the flameproof joints the manufacturer shall be contacted.
- The condition of the installation of the Socket devices series PY-... and Plugs series SPY-... are included within the safety instructions. For a safe use these assembling instructions are to be followed precisely.
- The accessories used for cable entries into enclosures shall be subject of separate certification, suitable for type of protection Ex-d and Ex-tb and guarantee a minimum degree of protection IP 65 in compliance with the IEC 60529 Standard.