



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

Certificate No.: IECEx EPS 16.0078X

Issue No: 1

Certificate history:

Issue No. 1 (2018-10-08)

Issue No. 0 (2017-09-13)

Status: **Current**

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Date of Issue: **2018-10-08**

Applicant: **Metal Work S.p.A.**
Via Segni 5
25062 Concesio (BS)
Italy

Equipment: **EB80 Electro-pneumatic system**

Optional accessory:

Type of Protection: **non-sparking, dust ignition protection**

Marking:

Ex nA IIC T5 Gc

Ex tc IIIC T100°C Dc

Approved for issue on behalf of the IECEx
Certification Body:

Holger Schaffer

Position:

Certification manager

Signature:
(for printed version)

Date:

2018-10-08



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](http://www.iecex.com).

Certificate issued by:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany





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Manufacturer: **Metal Work S.p.A.**
Via Segni 5
25062 Concesio (BS)
Italy

Additional 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 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:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-15 : 2010 Edition:4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
IEC 60079-31 : 2013 Edition:2	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:

[DE/EPS/ExTR16.0083/00](#) [DE/EPS/ExTR16.0083/01](#)

Quality Assessment Report:

[DE/EPS/QAR17.0005/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The EB80 system combines solenoid valves, multi-position bases, pneumatic and electric supplies, digital and analog input or output signals. It is composed of mechanical and electrical elements.

Supply voltage: 10,8 - 31,2 V DC

SPECIFIC CONDITIONS OF USE: YES as shown below:

The EB80 must be installed within an IECEx-certified enclosure (including feedthrough devices) providing a degree of protection of at least IP64 (tested according to mechanical requirements of IEC 60079-0).

Provision shall be made to prevent the rated voltage from being exceeded by transient disturbances of more than 140% of the peak rated voltage.

Ambient temperature range: $-20\text{ °C} \leq T_a \leq +50\text{ °C}$



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

ambient temperature change