



# 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 EPS 12.0032X issue No.:4  
Status: **Current**  
Date of Issue: 2017-06-22 Page 1 of 4

Certificate history:  
Issue No. 4 (2017-6-22)  
Issue No. 3 (2016-9-12)  
Issue No. 2 (2016-1-21)  
Issue No. 1 (2014-1-14)  
Issue No. 0 (2012-11-12)

Applicant: **PULS GmbH**  
Elektrastr. 6  
81925 München  
Germany

Equipment: **MLY02.100, MLY10.241, YR80.241, YR40.241, YR2.DIODE, YRM2.DIODE, YR40.242, YR40.245, YR40.482, YR80.242, YR20.242, YR20.246, PIRD20.241**  
Optional accessory: (all models optional with suffix "-C1")

Type of Protection: **ec / ec nC**

Marking: **Ex ec IIC T4 Gc / Ex ec nC IIC T4 Gc**  
ec: MLY02.100, MLY10.241, YR2.DIODE, YR40.241, YR80.241, YR40.242, YR40.245, YR40.482, YR80.242, YR20.242, PIRD20.241  
ec nC: YRM2.DIODE, YR20.246  
  
-40°C ≤ Ta ≤ 70°C

Approved for issue on behalf of the IECEx Certification Body:

Holger Schaffer

Position:

Certification Manager

Signature:  
(for printed version)

Date:

2017-06-22

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: **PULS GmbH**  
Elektrastr. 15  
81925 München  
Germany

Additional Manufacturing location(s):

**PULS Investicni s.r.o.**  
Prazska 5639  
43001 Chomutov  
Czech Republic

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 : 2011</b> Edition: 6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-15 : 2010</b> Edition: 4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
<b>IEC 60079-7 : 2015</b> Edition: 5.0	Explosive atmospheres – Part 7: Equipment protection by increased safety "e"

*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/ExTR12.0005/04](#)

##### Quality Assessment Report:

[DE/EPS/QAR12.0010/05](#)



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## Schedule

### EQUIPMENT:

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

MLY02.100, MLY10.241, YR2.DIODE, YRM2.DIODE, YR40.241, YR80.241, YR40.242, YR40.245, YR40.482, YR80.242, YR20.242, YR20.246, PIRD20.241 (all models optional with suffix "-C1")

Optional suffix "-C1" stands for coating of the printed circuit board; no safety relevance.

The devices are redundancy modules for parallel connection and isolation of the outputs of two power supplies. If one power supply fails, the second power supply provides the required power to the system.

### SPECIFIC CONDITIONS OF USE: YES as shown below:

The equipment shall be installed in an enclosure that provides a degree of protection not less than IP 54 in accordance with IEC 60079-7 or IEC 60079-15 (Ed. 4). The equipment shall only be used in an area of not more than pollution degree 2, as defined in IEC 60664-1.

Output power de-rating conditions at high ambient temperatures must be considered according to manufacturer's instructions.



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

Additional models: YR20.242; YR20.246; PIRD20.241  
Type of protection changed from "nA" to "ec"  
New manufacturer's address