



# 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 UL 16.0055X Issue No: 0 Certificate history:  
Issue No. 0 (2016-05-03)

Status: **Current** Page 1 of 3

Date of Issue: **2016-05-03**

Applicant: **DRAGO Automation GmbH**  
Waldstrasse 86-90  
13403 Berlin  
**Germany**

Electrical Apparatus: **DRAGO 6mm Modules**  
*Optional accessory:*

Type of Protection: **Non-sparking "nA"**

Marking:  
Ex nA IIC T4 Gc  
  
-25°C ≤ Tamb ≤ +70°C

*Approved for issue on behalf of the IECEx  
Certification Body:*

Erin LaRocco

*Position:*

Senior Project Engineer

*Signature:  
(for printed version)*

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

Certificate issued by:

**UL LLC**  
333 Pfingsten Road  
Northbrook IL 60062-2096  
United States of America





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Date of Issue: 2016-05-03 Page 2 of 3  
Manufacturer: DRAGO Automation GmbH  
Waldstrasse 86-90  
13403 Berlin  
Germany

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 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:

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

*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:

[US/UL/ExTR16.0059/00](#)

Quality Assessment Report:

[DE/TUR/QAR15.0018/00](#)



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## Schedule

### EQUIPMENT:

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

These devices are open-type 6mm wide DIN rail mounted modules that perform a variety of functions such as isolation, amplification, signal splitting, transmitter, and temperature conversion. Units may be provided with a backplane connection for a DIN rail mounted backplane accessory that allows adjacent modules to be electrically connected. All modules utilize screw type terminations for field wiring.

See Annex for additional information.

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

Install the device in a suitable approved housing (with a minimum of IP54 protection) that meets the requirements of IEC 60079-15. Housing shall only be accessible with the use of a tool.

The equipment shall only be used in an area of not more than pollution degree 2, as defined in IEC 60664-1.

Transient protection shall be provided that is set at a level not exceeding 140 % of the peak rated voltage value at the supply terminals to the equipment.

### Annex:

[Annex to IECEx UL 16.0055X Issue 0.pdf](#)

Model Number	Function	Electrical Ratings
DH11010S	Passive Isolator, 1 channel	Input:20mA Output:20mA
DH11020S	Passive Isolator, 2 channel	Input:20mA Output:20mA
DN25000S	Isolation Amplifier	Power:24VDC, 0.7W Input:10V, 20mA Output:10V, 20mA
DN25000B	Isolation Amplifier	Power:24VDC, 0.7W Input:10V, 20mA Output:10V,20mA
DN21000S	Isolated Amplifier/Splitter	Power:24VDC, 1.4W Input:10V, 20mA Output:10V,20mA
DN21000B	Isolated Amplifier/Splitter	Power:24VDC, 1.4W Input:10V, 20mA Output:10V,20mA
DN21200S	Transmitter Power Supply/Splitter	Power:24VDC, 1.4W Input:20mA Output:20mA
DN21200B	Transmitter Power Supply/Splitter	Power:24VDC, 1.4W Input:20mA Output:20mA
DC52100S	Transmitter Power Supply	Power:24VDC, 1.3W Input:17V, 20mA Output:10V, 20mA
DC52100B	Transmitter Power Supply	Power:24VDC, 1.3W Input:17V, 20mA Output:10V, 20mA
DC52500S	SMART Transmitter Power Supply	Power:24VDC, 1.3W Input:17V, 20mA Output:20mA
DC52500B	SMART Transmitter Power Supply	Power:24VDC, 1.3W Input:17V, 20mA Output:20mA
DC52200S	Transmitter Power Supply	Power:24VDC, 1.3W Input:17V, 20mA Output:10V,20mA
DC52200B	Transmitter Power Supply	Power:24VDC, 1.3W Input:17V, 20mA Output:10V,20mA
DT45000S	Universal Temperature Converter	Power:24VDC, 0.8W Output:10V,20mA
DT45000B	Universal Temperature Converter	Power:24VDC, 0.8W Output:10V,20mA
DT45200S	Pt Temperature Converter	Power:24VDC, 0.8W Output:10V,20mA
DT45200B	Pt Temperature Converter	Power:24VDC, 0.8W Output:10V,20mA
DT45400S	Ni Temperature Converter	Power:24VDC, 0.8W Output:10V,20mA
DT45400B	Ni Temperature Converter	Power:24VDC, 0.8W Output:10V,20mA
DT45600S	KTY Temperature Converter	Power:24VDC, 0.8W Output:10V,20mA

DT45600B	KTY Temperature Converter	Power:24VDC, 0.8W Output:10V,20mA
DT45800S	TC Temperature Converter	Power:24VDC, 0.8W Output:10V,20mA
DT45800B	TC Temperature Converter	Power:24VDC, 0.8W Output:10V,20mA
DB64000S	Bipolar Isolation Amplifier	Power:24VDC, 0.8W Input:10V, 20mV Output:10V,20mA
DB64000B	Bipolar Isolation Amplifier	Power:24VDC, 0.8W Input:10V, 20mV Output:10V,20mA
DS75000S	Shunt/mV Isolation Amplifier	Power:24VDC, 0.8W Input:150mV Output:10V,20mA
DS75000B	Shunt/mV Isolation Amplifier	Power:24VDC, 0.8W Input:150mV Output:10V,20mA
DZU1402	Power feed module	Input 24VDC, 3A Output 24VDC, 3A