



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 PTZ 17.0001X

Issue No: 0

Certificate history:

Issue No. 0 (2017-09-14)

Status: **Current**

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Date of Issue: **2017-09-14**

Applicant: **Buschjost GmbH**
Detmolder Str. 256
32545 Bad Oeynhausen
Germany

Equipment: **Solenoid Valve**

Optional accessory:

Type of Protection: **Increased safety "e", encapsulation "m", protection by enclosure "t",**

Marking:

Ex eb mb IIC T4 Gb

Ex mb tb IIIB T125°C-135°C Db

or

Ex eb mb IIC T3 Gb

Ex mb tb IIIB T135°C-150°C Db

See attachment for details of temperature class respective max. surface temperature

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

Andreas Aufmuth

Position:

Head of Certification

*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:

Primara Test und Zertifizier GmbH
Gewerbstraße 28
87600 Kaufbeuren
Germany

primara
Test- und Zertifizier-GmbH



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Manufacturer: **Buschjost GmbH**
Detmolder Str. 256
32545 Bad Oeynhausen
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 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-18 : 2014 Edition:4.0	Explosive atmospheres – Part 18: Equipment protection by encapsulation "m"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2015 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/PTZ/ExTR17.0001/00](#)

Quality Assessment Report:

[DE/TUN/QAR10.0002/04](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

6100 to 6119: 12 to 250 V_{DC} and 0,020 to 0,667 A_{DC}; 12 to 250 V_{AC} and 0,022 to 0,815 A_{AC}; 40 to 60 Hz

6120 to 6139: 12 to 250 V_{DC} and 0,040 to 1,500 A_{DC}; 12 to 250 V_{AC} and 0,045 to 1,835 A_{AC}; 40 to 60 Hz

6140 to 6169: 12 to 250 V_{DC} and 0,040 to 1,167 A_{DC}; 12 to 250 V_{AC} and 0,045 to 1,835 A_{AC}; 40 to 60 Hz

6170 to 6189: 12 to 250 V_{DC} and 0,028 to 1,000 A_{DC}; 12 to 250 V_{AC} and 0,031 to 1,223 A_{AC}; 40 to 60 Hz

6190 to 6199: 12 to 250 V_{DC} and 0,028 to 1,000 A_{DC}; 12 to 250 V_{AC} and 0,031 to 1,223 A_{AC}; 40 to 60 Hz

6200 to 6219: 12 to 250 V_{DC} and 0,028 to 1,000 A_{DC}; 12 to 250 V_{AC} and 0,031 to 1,223 A_{AC}; 40 to 60 Hz

6220 to 6239: 12 to 250 V_{DC} and 0,056 to 1,833 A_{DC}; 12 to 250 V_{AC} and 0,062 to 2,242 A_{AC}; 40 to 60 Hz

6240 to 6259: 12 to 250 V_{DC} and 0,092 to 3,333 A_{DC}; 24 to 250 V_{AC} and 0,103 to 1,940 A_{AC}; 40 to 60 Hz

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The max. ambient and media temperature is defined in the manual and in IECEx Certificate
2. The equipment is to be installed and maintained in a way that eliminates the risk of electrostatic charging.

Annex:

[Attachment to ExTR and ExCB 2017-09-13.pdf](#)

Attachment to DE/PTZ/ExTR17.0001/00 and IECEx PTZ 17.0001 X

Series	Type		Power [W]	T _{Amb} max. [°C]		Max. media temperature [°C]	Input voltage [V]				Input current [A] (depending on input voltage)			
	T _{Amb} min.						DC		AC		DC		AC	
	-20°C	-40°C					min	max	min	max	min	max	min	max
6100	6109	6119	5	T4	60	60	12	250	12	250	0,020	0,417	0,022	0,510
	6100	6110	8	T3	60	80					0,032	0,667	0,036	0,815
	6106	6116	8	T4	45	80					0,032	0,667	0,036	0,815
6120	6129	6139	10	T4	60	70	12	250	12	250	0,040	0,833	0,045	1,019
	6123	6133	14	T3	60	80					0,056	1,167	0,062	1,427
	6126	6136	14	T4	40	80					0,056	1,167	0,062	1,427
	6120	6130	18	T3	40	80					0,072	1,500	0,080	1,835
6140	6149	6159	10	T4	60	80	12	250	12	250	0,040	0,833	0,045	1,019
	6143	6153	14	T3	60	80					0,056	1,167	0,062	1,427
	6146	6156	14	T4	50	80					0,056	1,167	0,062	1,427
	6140	6150	18	T3	40	80					0,072	1,500	0,080	1,835
6170	6179	6189	7	T4	60	80	12	250	12	250	0,028	0,583	0,031	0,713
	6173	6183	9	T3	60	80					0,036	0,750	0,040	0,917
	6176	6186	9	T4	50	80					0,036	0,750	0,040	0,917
	6170	6180	12	T3	40	80					0,048	1,000	0,054	1,223
6190	6199	6198	7	T4	60	80	12	250	12	250	0,028	0,583	0,031	0,713
	6193	6194	9	T3	60	80					0,036	0,750	0,040	0,917
	6196	6197	9	T4	45	80					0,036	0,750	0,040	0,917
	6190	6191	12	T3	40	80					0,048	1,000	0,054	1,223
6200	6209	6219	7	T4	60	80	12	250	12	250	0,028	0,583	0,031	0,713
	6203	6213	9	T3	60	80					0,036	0,750	0,040	0,917
	6206	6216	9	T4	45	80					0,036	0,750	0,040	0,917
	6202	6212	12	T3	40	80					0,048	1,000	0,054	1,223
	6200	6210	12	T3	40	80					0,048	1,000	0,054	1,223
6220	6223	6233	14	T3	60	80	12	250	12	250	0,056	1,167	0,062	1,427
	6229	6239	14	T4	60	80					0,056	1,167	0,062	1,427
	6226	6236	16	T4	55	80					0,064	1,333	0,071	1,631
	6220	6230	22	T3	40	80					0,088	1,833	0,098	2,242
6240	6249	6259	23	T4	60	80	12	250	24	250	0,092	1,917	0,103	1,115
	6243	6253	29	T3	60	80					0,116	2,417	0,129	1,406
	6246	6256	32	T4	50	80					0,128	2,667	0,143	1,552
	6240	6250	40	T3	40	80					0,160	3,333	0,178	1,940