



[1] **EU-Type-Examination Certificate**

[2] Equipment and Protective Systems intended for use in Potentially Explosive Atmosphere – **Directive 2014/34/EU**

[3] **EU-Type-Examination Certificate**

**PTZ 16 ATEX 0011 X**

Rev. 0

[4] **Applicant:** **Buschjost GmbH**

[5] **Address:** Detmolder Str. 256  
32545 Bad Oeynhausen  
**Germany**

[6] **Equipment:** Valve solenoids  
6100...6119; 6120...6139; 6140...6169; 6170...6189; 6190...6199; 6200...6219;  
6220...6239; 6240...6259

[7] This Equipment and any acceptable variation thereto are specified in the annex to this certificate and the documents referred to.

[8] Primara Test- und Zertifizier GmbH, Notified Body No. 2572 in accordance with the Council Directive, dated 26th February 2014 (2014/34/EG), certifies that this equipment has been found to comply with the Essential Health and Safety Requirements related to the design and construction of equipment and protective systems intended for use in potentially explosive atmosphere, given in Annex II to the directive. The examination and test results are recorded in the confidential report 16PP238-01.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with to following standards:

**EN 60079-0:2012 + A11:2013**  
**EN 60079-18:2015**

**EN 60079-7:2015**  
**EN 60079-31:2014**

[10] If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the annex to this certificate.

[11] This EU-Type-Examination Certificate relates only to the design, examination and tests of specified equipment or protective system in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by the certificate.

[12] The marking of the equipment shall include the following:



II 2G Ex eb mb IIC T4 Gb bzw.

II 2 G Ex eb mb IIC T3 Gb

II 2D Ex mb tb IIIB T125°C-135°C Db bzw.

II 2 D Ex mb tb IIIB T135°C-150°C Db

Kaufbeuren, 2017-04-19

**Andreas Aufmuth**  
Certification body

**Horst Haug**  
ATEX department

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EU-type-examination Certificates without signation and stamp shall not be valid.  
EU-type-examination Certificates may only be reproduced in entirety and without change.  
Extracts or alternations are subject to the Primara Test- und Zertifizier- GmbH.

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**[13] Annex**

**[14] EU-Type-Examination Certificate PTZ 16 ATEX 0011 X**

**[15] Description of the equipment:**

Valve solenoid are used as an electric drive for process valves. The degree of protection is IP64 according to EN 60079-0 and IP65 or IP66 according to EN 60529.

Valve solenoids are available as pulling and pushing variant. The differences between the individual types consist of the various designs of the coils and the resulting shapes and sizes of the respective magnets.

**[16] Technical data:**

Nominal frequency: 40Hz to 60Hz

Series	Type		Power [W]	T <sub>Amb</sub> max. [°C]		Max. media temperature [°C]	Input voltage [V]				Input current [A] (depending on input voltage)			
	T <sub>Amb</sub> 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

**[17] Test report no.:**

16PP238-01

**[18] Special conditions:**

1. The max. ambient and media temperature is defined in the manual and this EU type examination certificate
2. The equipment is to be installed and maintained in a way that eliminates the risk of electrostatic charging.

**[19] Essential Health and Safety Requirements:**

Covered by the standards.