



国家防爆

Electrical Apparatus for Explosive Atmospheres CERTIFICATE OF CONFORMITY

Cert. No.: CNEx19.0528X

Manufacturer Pflitsch GmbH & Co. KG
Ernst-Pflitsch-Straße 1,42499 Hückeswagen, Germany

Name of Product Cable gland

Type of Product Type LevelEx Lex *****

Marking Ex d e IIC Gb Ex tD A20 IP66 and IP68

Drawing No. 257663, 264581, 257668, 26491

The drawings, technical documents and the samples are verified and certified according to standard(s) for safety as below:

GB 3836.1-2010
GB 3836.2-2010
GB12476.1-2013
GB12476.5-2013

Explosive atmospheres - Part 1: Equipment - General requirements
Explosive atmospheres - Part 2: Equipment protection by flameproof enclosure "d"
Electrical apparatus for use in the presence of combustible dust - Part 1: General requirements
Electrical apparatus for use in the presence of combustible dust - Part 5: Protection by enclosures "tD"

Note

1. Service temperature range: -60°C to +130°C
2. This certificate is only valid in combination with the related Annex
3. Please read and understand the special conditions for safe use as stated in the Annex to this certificate

Valid Date From Jan 30, 2019 to Jan 29, 2024

Issue Date Jan 30, 2019

Director



**CHINA NATIONAL QUALITY SUPERVISION AND TEST CENTRE
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This Annex to certificate CNEx 19.0528X covers the following model: LevelEx Lex *****.
This product has been certified by PTB, under certificate number IECEx PTB 18.0001X, issue 0, dated on 2018-04-16.

Product description

The cable gland type LevelEx Lex ***** made of brass, brass nickel-plated or stainless steel, serves to introduce permanently installed cables into electrical apparatus of the types of protection Flameproof enclosure "d", Increased Safety "e" and Protection by Enclosure "Ex tD A20".

The cable gland consists of:

- pressure screw
- sealing component
- double nipple with metric or NPT thread and O-ring.

Accessory is a lock nut.

Nomenclature

LevelEx	Lex	*	*	*	*	*	*
1	2	3	4	5	6	7	8
1	General type	LevelEx					
2	Type short form	Lex					
3	Type of connection thread	2 = Metric, 3 = NPT					
4	Connection thread, code number	16 = M16, 20 = M20, 25 = M25, 32 = M32, 40 = M40, 50 = M50, 63 = M63			038 = NPT 3/8", 012 = NPT 1/2", 034 = NPT 3/4", 100 = NPT 1", 114 = NPT 1 1/4", 200 = NPT 2", 212 = NPT 2 1/2"		
5	Head thread, code number	19 = M19, 23 = M23, 29 = M29, 36 = M36, 46 = M46, 58 = M58, 70 = M70					
6	Material cable gland body	ms = brass, st = stainless steel					
7	Material sealing insert	HTS = Silicone					
8	Additional letter for material	zu = clamping pressure screw, VA = stainless steel AISI 303, V4A = stainless steel AISI 316TI, bl = brass blank, xx = other					

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Technical Data

Size of connection thread	M16 to M63 NPT 3/8" to NPT 2 1/2"
Cable diameter	See table below
Suited for devices of equipment group II with mechanical risk level	High, 7 J
Mounted in enclosures with clearance holes	
Plastic, wall thickness	≥ 2 mm
Metal, wall thickness	≥ 1 mm
Mounted in enclosures with threaded holes	
Plastic, wall thickness	≥ 5 mm
Metal, wall thickness	≥ 3 mm
Service temperature range	-60°C to +130°C
Over pressure	Min. 48,6 bar
Ingress protection	IP66 and IP68 in accordance with IEC 60529

Size		Cable diameter		Torque	Mechanical strength
Metric	NPT	Maximal	Minimal	Connection thread and head thread	Impact energy
M 16	NPT 3/8"	11.0 mm	7.0 mm	15N.m	7J
M 20	NPT 1/2"	14.0 mm	8.0 mm	20N.m	7J
M 25	NPT 3/4"	20.0 mm	12.5 mm	30N.m	7J
M 32	NPT 1"	26.0 mm	18.5 mm	30N.m	7J
M 40	NPT 1 1/4"	34.0 mm	25.0 mm	35N.m	7J
M 50	NPT 2"	45.0 mm	33.0 mm	80N.m	7J
M 63	NPT 2 1/2"	56.0 mm	44.0 mm	80N.m	7J

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Special conditions for safe use :

1. Only permanently wired cables may be entered. The user shall provide for the required strain relief.
2. Degree of protection will be safeguarded only when sealing and cable entry fittings are properly fitted. The manufacturer's instructions must be followed.



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