



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312313000360

Applicant Pflitsch GmbH & Co. KG
Address Ernst-Pflitsch-Straße 1, 42499 Hückeswagen, Germany
Manufacturer Pflitsch GmbH & Co. KG
Address Ernst-Pflitsch-Straße 1, 42499 Hückeswagen, Germany
Production Factory Pflitsch GmbH & Co. KG
Production Address Ernst-Pflitsch-Straße 1, 42499 Hückeswagen, Germany
Product Cable gland
Model/Type LevelEx Lex*****, LevelEx LexAC *****
Ex marking Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da
Reference Standards GB/T 3836.1-2021, GB/T 3836.2-2021, GB/T 3836.3-2021, GB/T 3836.31-2021

Certification mode Type Test + Initial Factory Inspection + Post-Certification Surveillance

The product(s) is verified and certified according to CNCA-C23-01: 2019 *China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product* and CNEC-C2301-2019 *Guideline of China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product*.

See Annex for the detailed product information (7 pages).

Initial issue date: 2021-05-14

Issued date: 2022-12-16

Valid to: 2026-05-13

The validity of this certificate is maintained through the regular supervision of the issuing authority during the validity period.

Where any discrepancy arises between the English translation and the original Chinese version, the Chinese version shall prevail.

Director:



Nanyang Explosion Protected Electrical Apparatus Research Institute Co.,Ltd.



<http://www.ccc-cnex.com>
ccc.china-ex.com

Add: No. 20, North Zhongjing Road, Nanyang, Henan, P. R. China P.C.: 473008
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CN 0001442



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Product information:

1. This certificate covers the following models:

- LevelEx Lex***** , LevelEx LexAC *****

Nomenclature

LevelEx	*	*	*	*	*	*	*	*	*	*
1	2	3	4	5	6	7	8	9	10	11

1	Type designation	LevelEx		
2	Part of type designation	Lex, LexAC		
3	Type of thread	2 = Metric 3 = NPT		
4	Connection thread(code number)	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">16=M16 20=M20 25=M25 32=M32 40=M40 50=M50 63=M63 75=M75</td> <td style="width: 50%; border: none;">038=NPT 3/8" 012=NPT 1/2" 01223=NPT 1/2" 034=NPT 3/4" 100=NPT 1" 114=NPT 1 1/4" 200=NPT 2" 212=NPT 2 1/2"</td> </tr> </table>	16=M16 20=M20 25=M25 32=M32 40=M40 50=M50 63=M63 75=M75	038=NPT 3/8" 012=NPT 1/2" 01223=NPT 1/2" 034=NPT 3/4" 100=NPT 1" 114=NPT 1 1/4" 200=NPT 2" 212=NPT 2 1/2"
16=M16 20=M20 25=M25 32=M32 40=M40 50=M50 63=M63 75=M75	038=NPT 3/8" 012=NPT 1/2" 01223=NPT 1/2" 034=NPT 3/4" 100=NPT 1" 114=NPT 1 1/4" 200=NPT 2" 212=NPT 2 1/2"			
5	Not used	Not used		
6	Material	VA/316L = stainless steel (Lex), VA = stainless steel (LexAC),		

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		ms = brass, nickel-plated, LF = brass lead free
7	AC Cable outer diameter (code number):	cable diameter (code number): 14=14.0mm--8.0mm 20=20.0mm--12.5mm 26=26.0mm--18.5mm 34=34.0mm--26.0mm 45=45.0mm--33.0mm 56=56.0mm--44.0mm 66=66.0mm--56.0mm
8	AC Cable inner diameter (code number):	cable diameter (code number): 7=6.5mm--4.0mm 9=9.5mm--6.5mm 11=10.5mm--7.0mm 14=14.0mm--9.0mm 16=15.5mm--11.5mm 18=18.0mm--14.0mm 20=20.5mm--17.0mm 25=25.0mm--20.0mm 26=26.0mm--24.0mm 28=28.0mm--24.0mm 34=34.0mm--26.0mm 37=37.0mm--28.0mm 44=44.0mm--35.0mm 56=56.0mm--45.0mm
9	AC-Additional letters for material VA	/316L (LexAC)
10	Kind of insert	HTS = silicone

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11	Additional letter for variants	zu = clamping pressure screw VA = stainless steel AISI 303 V4A = stainless steel AISI 316Ti bl = brass blank
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Technical data:

Size of connection thread	LevelEx Lex*****:	LevelEx LexAC*****:
	M16 to M75 NPT 3/8" to NPT 2 1/2"	M16 to M63 NPT 1/2" 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(For Ex eb, Ex ta)		
Plastic, wall thickness	≥ 2 mm	
Metal, wall thickness	≥ 1 mm	
Mounted in enclosures with threaded holes(For Ex eb, Ex ta)		
Plastic, wall thickness	≥ 5 mm	
Metal, wall thickness	≥ 3 mm	
Service temperature range	-60 °C to +130 °C	

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Over pressure	3.24MPa(test pressure: 4.86 MPa)
Ingress protection	IP66 and IP68(1MPa, 1h)

Sealing ranges and tightening torques for different sizes:

LevelEx Lex*****:

Size		Cable diameter		Torque
metric	NPT	Maximal	Minimal	Connection thread and Head thread
M16×1.5	NPT 3/8"	11.0 mm	7.0 mm	15 Nm
M20×1.5	NPT 1/2"	14.0 mm	8.0 mm	20 Nm
M25×1.5	NPT 3/4"	20.0 mm	12.5 mm	30 Nm
M32×1.5	NPT 1"	26.0 mm	18.5 mm	30 Nm
M40×1.5	NPT 1 1/4"	34.0 mm	25.0 mm	35 Nm
M50×1.5	NPT 2"	45.0 mm	33.0 mm	80 Nm
M63×1.5	NPT 2 1/2"	56.0 mm	44.0 mm	80 Nm
M75×2.0	—	66.0mm	56.0mm	100Nm

LevelEx LexAC ***** (brass):

Gland size	Thread size	Sealing range (armouring)	Sealing range (equipment)	Torque / Nm

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--	metric	NPT	side) / mm		side) / mm		Press ure screw	Inter mediate Conne ction*	Conn ection thread
			Max.	Min.	Max.	Min.			
1407	M16×1.5	NPT 1/2"	14.0	8.0	6.5	4.0	20	20	20
1409	--	--	--	--	9.5	6.5	--	--	--
1411	--	--	--	--	10.5	7.0	--	--	--
2009	M20×1.5	NPT 1/2"	20.0	12.5	9.5	6.5	30	35	40
2014	--	--	--	--	14.0	9.0	--	--	--
2616	M25×1.5	NPT 3/4"	26.0	18.5	15.5	11.5	30	70	40
2618	--	--	--	--	18.0	14.0	--	--	--
2620	--	--	--	--	20.5	17.0	--	--	--
3420	M32×1.5	NPT 1"	34.0	25.0	20.5	17.0	35	70	45
3425	--	--	--	--	25.0	20.0	--	--	--
3426	--	--	--	--	26.0	24.0	--	--	--
4528	M40×1.5	NPT 1 ¼"	45.0	33.0	28.0	24.0	80	100	90
4534	--	--	--	--	34.0	26.0	--	--	--
5637	M50×1.5	NPT 2"	56.0	44.0	37.0	28.0	80	160	90
5644	--	--	--	--	44.0	35.0	--	--	--
6644	M63×1.5	NPT 2 ½"	66.0	56.0	44.0	35.0	100	160	110
6656	--	--	--	--	56.0	45.0	--	--	--

*The connection must be fully tightened.

LevelEx LexAC ***** (stainless steel):

Gland size	Thread size	Sealing range (armouring side) / mm	Sealing range (equipment side) / mm	Torque / Nm

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--	metric	NPT	Max.	Min.	Max.	Min.	Pressure screw	Intermediate Connection*	Connection thread
1407	M16×1.5	NPT 1/2"	14.0	8.0	6.5	4.0	20	35	20
1409	--	--	--	--	9.5	6.5	--	--	--
1411	--	--	--	--	10.5	7.0	--	--	--
2009	M20×1.5	NPT 1/2"	20.0	12.5	9.5	6.5	30	80	40
2014	--	--	--	--	14.0	9.0	--	--	--
2616	M25×1.5	NPT 3/4"	26.0	18.5	15.5	11.5	30	100	40
2618	--	--	--	--	18.0	14.0	--	--	--
2620	--	--	--	--	20.5	17.0	--	--	--
3420	M32×1.5	NPT 1"	34.0	25.0	20.5	17.0	35	120	45
3425	--	--	--	--	25.0	20.0	--	--	--
3426	--	--	--	--	26.0	24.0	--	--	--
4528	M40×1.5	NPT 1 1/4"	45.0	33.0	28.0	24.0	80	100	90
4534	--	--	--	--	34.0	26.0	--	--	--
5637	M50×1.5	NPT 2"	56.0	44.0	37.0	28.0	80	160	90
5644	--	--	--	--	44.0	35.0	--	--	--
6644	M63×1.5	NPT 2 1/2"	66.0	56.0	44.0	35.0	100	220	110
6656	--	--	--	--	56.0	45.0	--	--	--

*The connection must be fully tightened.

Ingress Protection: IP66/IP68(1MPa, 1h)

Ex marking: Ex db IIC Gb, Ex eb IIC Gb, Ex ta IIIC Da

- Producers should organize production in accordance with the technical documents approved by the certification body.

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2. Specific conditions of safety use:

- Only permanently wired cables may be entered. The user shall provide for the required strain relief.
- Degree of protection will be safeguarded only when sealing and cable entry fittings are properly fitted. The manufacturer's instructions must be followed.
- The cable gland is installed in enclosures with through-holes or threaded holes. For through holes, lock nuts are used.
- See instruction for other information.

3. Certificate related report(s):

- Type test report: CQST2011C057, CQST2011C057/01
- Factory inspection report: CN2021Q010004

4. Certificate change information:

- 1st change on December 16, 2022:
 - 1) Updated the standards for certification.
 - 2) Adding Type LevelEx LexAC*****, Type LevelEx Lex***** add M75 thread size.

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