



国家防爆

Electrical Apparatus for Explosive Atmospheres

CERTIFICATE OF CONFORMITY

Cert. No.: CNEx15.1696X

Manufacturer Cable Managements Products Limited.
(Address: Station Road, Coleshill, Birmingham, B46 1HT, United Kingdom)

Name of Product Metal cable glands for circular cables

Type of Product Ex...c2; Ex...C6; Ex...C2S

Marking Ex d IIC Gb

Ex e IIC Gb

Ex tD A21 IP66

Standard —

Drawing No. KA3.EX..c2/C6/C2S

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

GB3836.1-2010 Explosive atmospheres Part 1: Equipment-General requirements

GB3836.2-2010 Explosive atmospheres Part 2: Equipment protection by flameproof enclosures "d"

GB3836.3-2010 Explosive atmospheres Part 3: Equipment protection by increased safety "e"

GB12476.1-2013 Electrical apparatus for use in the presence of combustible dust -Part 1: General requirements

GB12476.5-2013 Electrical apparatus for use in the presence of combustible dust Part 5: Protection by enclosures "tD"

Note See Annex(4 pages).

Valid Date From Jun 15, 2015 to Jun 14, 2020

Issue Date Jun 15, 2015

Director



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1. This product have obtained IECEx certificate, Cert. No.: IECEx IMQ 14.0005X.
2. Key code

Ex (1) (2) (3) (4) c2 EX (1) (2) (3) (4) C6 EX (1) (2) (3) (4) C2S	(1)body material: none – brass "N" – nickel plated brass "S" – stainless steel "A" – aluminum (2)size: according to related table (3)thread type: "A" – NPT ANSI ASME B1.20.1 "M" – Metric ISO pitch 1,5 (ISO 965/1, ISO 965/3) "P" – PG DIN 40430 (Ex e only) "C" – GAS UNI ISO 228/1 "S" – N.P.S.M. "G" – GAS UNI ISO 7/1 (4)alternative design: "M" – normal length body "S" – shorter length body "L" – longer length body
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3. Service temperature:
Ex....c2; EX....C6: -40°C ~ +80°C (neoprene sealing ring) and -60°C ~ +80°C (silicone sealing ring);
EX....C2S: EPDM sealing ring: -40°C ~ +80°C
silicone sealing ring: -60°C ~ +80°C
4. Cable gland sizes(see tables below):

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Ex....c2						
Model	Min-max cable Ø mm	Torque value [Nm]			Suitable for	
		S1+S2+S3 triple sealing ring	S1+S2 double sealing ring	S1 single sealing ring	Ex d	Ex e Ex tD
Ex.01.Mc2	2-4	-	-	3.5	no	yes
Ex.02.Mc2	4-8	20	18	-	no	yes
Ex.03.Sc2	3-9	-	25	18	yes	yes
Ex.03.Mc2	4-12	20	18	15	yes	yes
Ex.04.Mc2	4-12	20	18	15	yes	yes
Ex.04.Lc2	10-16	24	22	18	yes	yes
Ex.05.Mc2	10-18	25	22	18	yes	yes
Ex.05.Lc2	14-20	26	22	-	yes	yes
Ex.06.Mc2	14-24	28	23	20	yes	yes
Ex.06.Lc2	22-28	45	40	35	yes	yes
Ex.07.Mc2	22-32	56	50	45	yes	yes
Ex.07.Lc2	26-34	57	55	52	yes	yes
Ex.08.Sc2	26-35	57	55	52	yes	yes
Ex.08.Mc2	35-44	190	155	140	yes	yes
Ex.09.Sc2	35-45	190	155	140	yes	yes
Ex.09.Mc2	46-56	160	145	135	yes	yes
Ex.10.Sc2	46-62	185	175	150	yes	yes
Ex.10.Mc2	60-70	123	118	107	yes	yes
Ex.11.Sc2	60-70	123	118	107	yes	yes
Ex.11.Mc2	75-85	135	130	125	yes	yes
Ex.12.Sc2	75-85	135	130	125	yes	yes
Ex.12.Mc2	85-95	180	175	170	yes	yes

EX....C6						
Model	Min-max cable Ø mm	Torque value [Nm]			Suitable for	
		S1+S2+S3 triple sealing ring	S1+S2 double sealing ring	S1 single sealing ring	Ex d	Ex e Ex tD
EX.03.SC6	4-8	-	25	18	yes	yes
EX.03.MC6	4-8	-	18	15	yes	yes
EX.04.MC6	4-12	20	18	15	yes	yes
EX.05.MC6	10-18	25	22	18	yes	yes
EX.06.MC6	14-24	25	20	18	yes	yes
EX.07.MC6	22-32	56	50	45	yes	yes
EX.08.MC6	26-35	57	55	52	yes	yes

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Model	Min-max cable Ø mm	EX...C2S			
		Torque value [Nm]		Suitable for	
		S1+S2 double sealing ring	S1 single sealing ring	Ex d	Ex e Ex tD
EX.02.MC2S	4-7	-	4	no	yes
EX.03.MC2S	5-8	-	8	no	yes
EX.04.MC2S	8-14	10	10	no	yes
EX.05.MC2S	10-16	12	12	no	yes
EX.06.MC2S	16-21	13	13	no	yes
EX.07.MC2S	18-27	25	25	no	yes
EX.08.MC2S	26-35	33	33	no	yes
EX.09.MC2S	32-49	45	35	no	yes

- The cable glands series Ex...c2; EX...C6 are suitable for inserting circular cables into Ex d enclosures having threaded entries and Ex e or Ex tb enclosures having either threaded or plane entries.
- The cable glands series EX...C2S are suitable for inserting circular cables into Ex e or Ex tD enclosures having either threaded or plane entries.
- Cable glands are suitable for not-armored cables, and are made of metal body (aluminum; stainless steel; brass).
- Sealing rings are made of silicon or neoprene (chloroprene) for all types, except for EX...C2S type in which sealing rings are made of silicone or EPDM rubber.
- To guarantee the IP 66/68 degree of protection the cable glands with cylindrical threads have a sealing edge machined for fitting an elastomeric gasket, while for all other threads the IP66/68 degree of protection is achieved with sealant put at least on two complete threads engaged of the threaded coupling.

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10. Cable glands are suitable for electrical equipment either with type of protection Ex e, Ex d or type of protection Ex t, suitability for each model is shown in following tables. Cable glands should be also used for intrinsically safe circuits Ex i. These cable glands shall have a light blue painted part.
11. Special conditions for safe use:
- 1) The cable glands are only suitable for fixed installations. Cables shall be effectively clamped to prevent pulling or twisting
 - 2) The cable gland Ex.01..c2 with the relevant cables shall be used where a protection against risk of mechanical damage is provided.
 - 3) The coupling of the cable glands to the enclosure and torque values of cap clamping shall be made as indicated by the manufacturer in the documents annexed to this certificate in order to respect the type of protection of the electrical apparatus on which cable glands are mounted.
 - 4) The cable gland installation shall be done according to safety manufacturer instructions to maintain degree of protection.
 - 5) The cable gland installation shall be done in such a way that the temperature at the mounting point will remain within the service temperature ranges declared in this Certificate.

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