

Cable Glands With Increased Safety Type Maxiblock ATEX 4901 Series - Polyamide PA6.6 Metric Thread M1:5

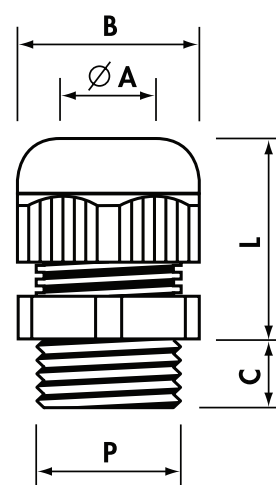
Description:

Certified by IMQ, Italian Institute for Quality Mark, according to EN 60079-0:2009, EN 60079-7:2007 and EN 60079-31:2009, related to materials intended for use in potentially explosive atmospheres in presence of dust and gas.

Technical details:

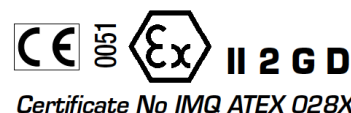
Protection:	IP 65
Material :	POLYAMIDE PA6.6
Self-Extinguishing :	Class V2 (UL 94)
Sealing Ring:	NEOPRENE®
O-Ring (from M32 and from PG21) :	Nitrile 70Sh A (factory fitted)
Temperature Range :	-20°C ÷ +75°C (continuous)
Safety Level:	Ex e IIC/Ex tb IIIC
According to:	EN 60079-0 : 2009 ; EN 60079-7 : 2007 ; EN 60079-31 : 2009
Areas of Utilisation:	1 & 2, 21 & 22
Colour:	Light Grey RAL 7035

Torque Settings:	M12 2,7 Nm
	M16 5 Nm
	M20 7 Nm
	M25 7,5 Nm
	M32, M40 e M50 12 Nm
	M63 25 Nm



EXTENDED THREAD							
Part No.	P	Fixing Hole Ø (mm)	Ø A mini-max (mm)	B Spanner (mm)	C (mm)	L min-max (mm)	Quantity
C4901M12EX	M12x 1,5	12,2	3,5- 6,5	15	15	18-22	100
C4901M16EX	M16x 1,5	16,2	6,5-10	19	15	22-27	100
C4901M20EX	M20x 1,5	20,5	9-13	25	15	24-30	50
C4901M25EX	M25x 1,5	25,4	11-17	30	15	30-41	50
C4901M32EX	M32x 1,5	32,5	16-21	36	15	33-44	25
C4901M40EX	M40x 1,5	40,5	21-28	46	18	36-45	15
C4901M50EX	M50x 1,5	50,5	27-35	55	18	43-52	10
C4901M63EX	M63x 1,5	64,0	35-42	66	18	45-55	5

Marks:



94/9/CE (ATEX); 1999/92/CE Directives
EN 60079-0 : 2009; EN 60079-7 : 2007;
EN 60079-31 : 2009; IEC 61241-1 Norms

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The main features of each ATEX device or component should be included in the marking.

Below are listed the indications which are marked on our new 4900 / 4901 Series ATEX cable gland with the explanation of their meaning.

	GENERAL INFORMATION; REFERENCE TO THE DIRECTIVE						SPECIFIC INFORMATION; INFORMATIVE REFERENCES								
Symbol		0051		II	2	GD	Ex	e	IIC	Ex	tb	IIIC	IMQ	10	ATEX028X
Meaning	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)

Legenda:

- (1) CE Marking of compliance to the ATEX Directive
- (2) Identification number of the Notified Body
- (3) Specific Marking attesting explosion protection
- (4) Group: II; NOT MINES
- (5) Category: 2; ELEVATED PROTECTION; areas of use 1 and 21, and also suitable for areas 2 and 22
- (6) Suitable for gases, vapors and fogs (letter G); suitable for powders (D)
- (7) Ex; indicates compliance with specific product standard IEC EN 60079-7:2008, Explosive Atmospheres, Part 7: Equipments with increased safety "e" protection mode
- (8) Indication of increase safety "e" protection mode; for EPL (Equipment Protection Level) Gb, i.e. "equipment for use in explosive atmospheres due to the presence of gas, with high level of protection, which is not source of ignition during normal operation or when subject to foreseen malfunction"
- (9) Group: II; for use in areas other than mines with explosive atmospheres due to gases (with the possible presence of Grisou); letter C: explosive mixture of gas (21 +/- 5) % Hydrogen
- (10) Ex; indicates compliance with specific product standard IEC EN 60079-31:2010, Explosive Atmospheres, Part 31: Equipment with protection mode obtained by "t" enclosures, intended to be used in presence of combustible dust
- (11) Indication of "tb" protection mode; protection by enclosure; EPL (Equipment Protection Level) Db, i.e. "equipment for use in explosive atmospheres due to the presence of combustible powder, with high level of protection, which is not source of ignition during normal operation or when subject to foreseen malfunction"
- (12) Group: III; for use in areas other than mines with explosive atmospheres due to the presence of combustible dust (with the possible presence of Grisou), Part C, conductive dust, protection against penetration, according to IEC 60079-0; IP 6x, i.e. totally protected against the penetration of dust
- (13) Certifying Body: IMQ
- (14) Year of certification issue: 2010
- (15) Indication of the Certification number: 028X

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EU/UE
DECLARATION OF CONFORMITY
DECLARATION DE CONFORMITE
KONFORMITÄTSERKLÄRUNG
DECLARACIÓN DE CONFORMIDAD
DICHIARAZIONE DI CONFORMITÀ

We
 Nous
 Wir
 Nos
 Noi

Cembre S.p.A.

(supplier's name) (nom du fournisseur) (Name des Anbieters) (nombre del fabricante) (nome del fornitore)

Via Serenissima, 9 – 25135 Brescia (Italy)

Declare under our sole responsibility that the product
 Déclarons sous notre seule responsabilité que le produit
 Erklären in alleiniger Verantwortung daß das Produkt
 Declaramos bajo nuestra responsabilidad que el producto
 Dichiariamo sotto nostra unica responsabilità che il prodotto

MAXIblock cable glands series 4900 and 4901, metric and Pg threads

(type) (type) (Typ) (tipo) (tipo)

To which this declaration relates is in conformity with the following standard(s) or other normative document(s).

Auquel cette déclaration se réfère est conforme à la (aux) norme(s) ou autre(s) document(s) normatif(s).

Auf das sich diese Erklärung bezieht mit der/den folgenden Norm(en) oder normativen Dokument(en) übereinstimmt.

Al que se refiere esta declaración, cumple la(s) norma(s) u otro(s) documento(s) normativo(s).

Al quale si riferisce questa dichiarazione è conforme alla(e) norma(e) o altro(i) documento(i) normativo(i).

EN 60079-0: 2009 ; EN 60079-7: 2007 ; EN 60079-31: 2009

(title and/or number) (titre et/ou numéro) (Titel und/oder Nummer) (título y/o número) (titolo e/o numero)

Following the provisions of Directive(s).

Conformément aux dispositions de(s) Directive(s).

Gemäss den Bestimmungen der Richtlinie(n).

De acuerdo con las disposiciones de la(s) Directiva(s).

Conformemente alle disposizioni della(e) direttiva(e).

94/9/CE

(title and/or number) (titre et/ou numéro) (Titel und/oder Nummer) (título y/o número) (titolo e/o numero)

IMQ 10 ATEX 028 X

(approval number) (approbation numéro) (Zulassung Nummer) (omologation número) (omologazione numero)



Cembre S.p.A.

Aldo Bottini Bongrani

Director - Sales and Marketing

Brescia li 26/01/2011

(Place and date of issue)
 (Lieu et date)
 (Ort und Datum der Ausstellung)
 (Lugar y fecha de emisión)
 (Luogo e data di emissione)

(name and signature or equivalent marking of authorized person)
 (nom et signature du signataire autorisé)
 (Name und Unterschrift oder gleichwertige Kennzeichnung des Befugten)
 (nombre y firma del signatario autorizado)
 (nome e firma di persona autorizzata)

98 V 045

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APPLICATION:

MAXiblock type 4901 cable glands with metric thread are designed for fixed installations of cables in explosive atmospheres with the presence of gas or combustible dust; category 2 (zones 1 and 21, therefore also zones 2 and 22);

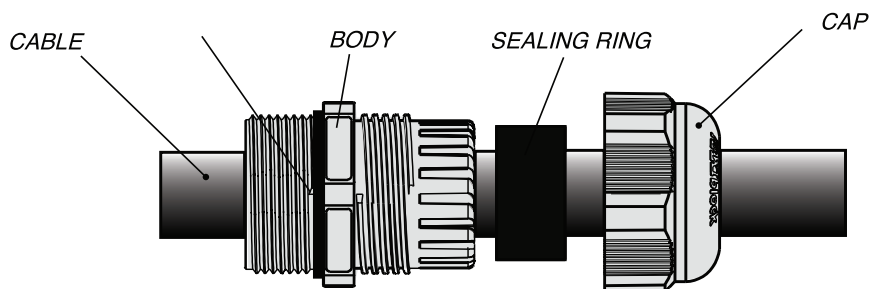
type of protection:

- Ex e IIC, "Increased Safety e", EPL Gb, device group II in presence of gas.
- Ex tb IIC "Protection by enclosure tb", EPL Db device group III, in presence of powders.

Each type and size of cable gland must only be used with conductors whose diameters are within its specific range as defined in Table 1.

CHARACTERISTICS:

- Material: Polyamide PA 6.6
- Colour: RAL7035 Grey
- Self-extinguishing: class V2 (UL 94)
- Sealing ring: NEOPRENE®
- O-ring (threads from M32 / Pg 21): NITRILE 70 sh A
- Degree of Protection: IP 65
- Temperature range: - 20°C to + 75°C



MARKING:

Cable glands with metric threads or their smallest packaging are marked:



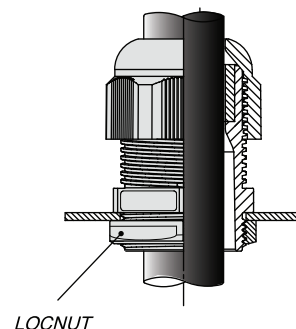
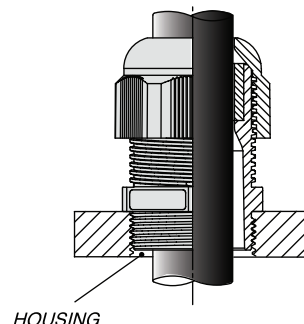
Products marked otherwise may not be covered by this type test certificate. Non-Compliance shall void the manufacturer's liability.

INSTALLATION INSTRUCTIONS FOR CORRECT USE:

- Make sure that the product is intact
- Installation shall follow EN 60079-14
- For cable glands with threads from M20 threads: **Warning.** Potential electrostatic charging hazard, clean only with antistatic cloth.
- Cable glands may only be used in places where they are protected against mechanical impact.
- Cable glands are suitable for installations in locations protected by sunlight.
- Cable glands having a cap without a strain relief device are suitable only for use with permanently installed cable. The installer is responsible for providing appropriate strain relief.
- Apply the recommended torque; insufficient or excessive torque may effect the degree of protection of the gland
- Installation cable glands has to be done by properly qualified persons and only with appropriate tools
- Cable glands are designed for normal industrial atmosphere; for use in aggressive atmosphere consult Cembre prior to purchase
- If the contents of this box is to be split into two or more units, a copy of this instruction sheet must be included with each unit
- The manufacturer is not liable for damages due to misuse

ASSEMBLY:

- 1 - Screw the cable gland body into the housing (A) or tighten with locknut (B); (Torque T)
- 2 - Install the cable
- 3 - Tighten the cap; (Torque T)



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