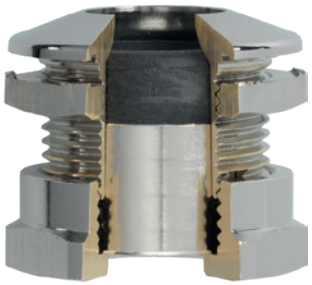
Ultra-flat metallic cable glands



Use

The ultra-flat cable glands inhibit any manipulation from the outside; no contact surface for interference neither by hand or with a tool will be found. The ultra-flat cable glands are used for design applications and, thanks to their very little surface for contamination and their good cleanability, they are used for cleanroom and food and beverage applications. The ultra-flat cable glands are certified EHEDG (European Hygienic Engineering & Design Group), a consortium of equipment manufacturers, food industries, research institutes and public health authorities promoting "safe food" by improving hygienic engineering and design in all aspects of food manufacture. The elastic sealing rings have a good chemical resistance and they provide a reliable seal with a guaranteed IP 68 (10 bar) and IP 69K protection classes.

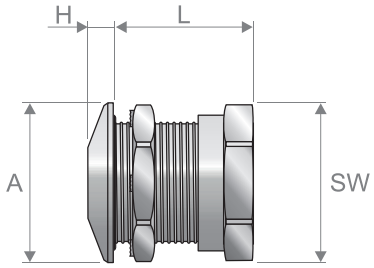
Technical data

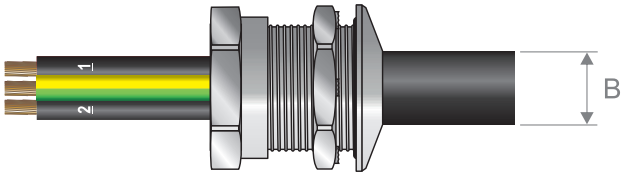
Characteristics	Value/property
Material	Nickel-plated brass or Stainless steel A2 (front part)
Sealing ring material	TPE or FKM (for stainless steel version), one-piece.
Material of the sealing washer	FPM or FKM (for stainless steel version), one-piece.
Compatible cables	Non-armoured cables
Temperature range	-40°C, +100°C up to +200°C for stainless steel version
Protection class	IP 68 (10 bar) IP 69K
Thickness of the installation wall	Max. 5 mm
Standards of construction	EN/IEC 62444

Note. EHEDG certification for stainless steel version

Coding and dimensions

Straight cable gland





B = *Overall cable diameter*

Code	Version	Thread	Tightening key SW [mm]	Cable diameter B Min/Max [mm]	Sizes [mm]			Packaging [pcs]
					ØA	H	L	
PCM301_M016X010 (1)	SS	M16x1,5	18	5,0÷6,5	22,0	4,0	21,0	25
PCM301_M016X020 (1)	SS	M16x1,5	18	6,5÷8,0	22,0	4,0	21,0	25
PCM301_M020X010 (1)	SS	M20x1,5	24	6,0÷8,0	27,0	4,5	23,0	25
PCM301_M020X020 (1)	SS	M20x1,5	24	8,0÷10,5	27,0	4,5	23,0	25
PCM301_M025X010 (1)	SS	M25x1,5	30	8,0÷11,0	32,0	5,5	25,0	20
PCM301_M025X020 (1)	SS	M25x1,5	30	11,0÷15,0	32,0	5,5	25,0	20
PCM301_M032X010 (1)	SS	M32x1,5	36	12,5÷16,0	39,0	6,0	28,0	10
PCM301_M032X020 (1)	SS	M32x1,5	36	16,0÷20,5	39,0	6,0	28,0	10
PCM300_M016X010 (2)	NPB	M16x1,5	18	5,0÷6,5	22,0	4,0	21,0	25
PCM300_M016X020 (2)	NPB	M16x1,5	18	6,5÷8,0	22,0	4,0	21,0	25
PCM300_M020X010 (2)	NPB	M20x1,5	24	6,0÷8,0	27,0	4,5	23,0	25
PCM300_M020X020 (2)	NPB	M20x1,5	24	8,0÷10,5	27,0	4,5	23,0	25
PCM300_M025X010 (2)	NPB	M25x1,5	30	8,0÷11,0	32,0	5,5	25,0	20
PCM300_M025X020 (2)	NPB	M25x1,5	30	11,0÷15,0	32,0	5,5	25,0	20
PCM300_M032X010 (2)	NPB	M32x1,5	36	12,5÷16,0	39,0	6,0	28,0	10
PCM300_M032X020 (2)	NPB	M32x1,5	36	16,0÷20,5	39,0	6,0	28,0	10

(1) EHEDG certified
(2) Not EHEDG certified
Materials' description: SS = Stainless steel, NPB = Nickel-plated brass

Code composition

PC	□□□□	_	□	□□□	X	□□□

Diameter range
Code depending on the cable range.

Family
Code depending on the glands' family.

Version	To be interted
Metric	M

Thread	To be interted
M16, M20, …, M32	016, 020, …, 032