

High-performing EMC-compatible metallic cable glands



Use

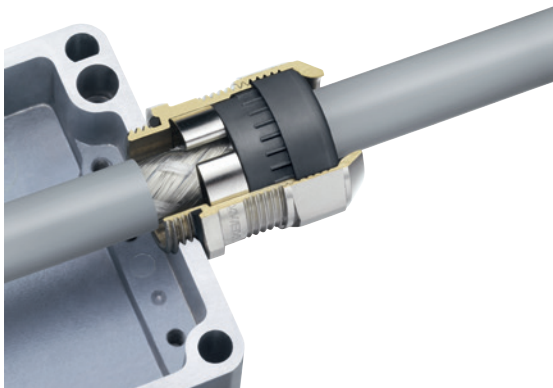
The electromagnetic compatibility (EMC) in the industrial sector plays a key role because complex machines and systems are extremely susceptible to electromagnetic interference. Such undesired effects, however, can be counteracted with the effective shielding of all components and not only cables. As passive components, cable glands must ensure that the quality of the shielding at sensitive interconnection points remains intact and that there are no losses due to the shielding.

The EMC cable glands guarantee a powerful, protective clamping of the cable shield and excellent shield contact providing for the smallest possible transfer impedance. The shape of the contact spring not only allows for a large clamping range to the shield but also for easy disassembly without damaging the EMC braid.

Our EMC metallic cable glands are produced with a particular geometry that assures an equal cable compression having a large clamping and sealing areas designed for a secure and flexible everyday use. These cable glands, supplied with the o-ring on thread side, are produced with a short or long thread for secure fastening with thread or the special EMC counter nut with cutter teeth. 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. On request we can provide a "multiple" cable gland producing a customized sealing ring, it is sufficient to provide number and diameter of the cables to be wired.

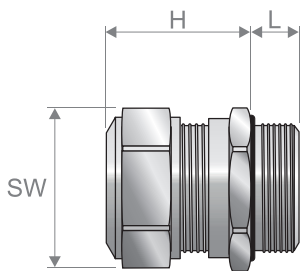
Technical data

Characteristics	Value/property
Material	Nickel-plated brass
Material of the contact spring	Steel
Sealing ring material	TPE, two-pieces.
O-ring material	NBR
Temperature range	-60°C, +100°C
Protection class	IP 68 (10 bar) IP 69K



Coding and dimensions

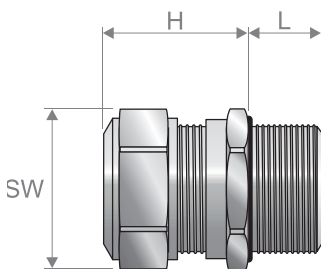
Straight cable gland



Code	Thread	Tightening key SW [mm]	cable diameter Min/Max [mm]	Sizes [mm]		Packaging [pcs]	Note
				H	L		
PCM500_M012X010	M12x1,5	15	3,5+5,0	22,0	5,0	50	(1)
PCM500_M012X020	M12x1,5	15	5,0+6,5	22,0	5,0	50	(1)
PCM500_M016X010	M16x1,5	18	6,0+10,5	25,0	5,0	50	(1)
PCM500_M020X010	M20x1,5	24	8,0+15,0	27,0	6,0	50	(1)
PCM500_M025X010	M25x1,5	30	12,5+20,5	33,0	7,0	25	(1)
PCM500_M032X010	M32x1,5	36	17,0+25,5	33,0	8,0	25	(1)
PCM500_M040X010	M40x1,5	46	24,0+33,0	38,0	8,0	10	(1)
PCM500_M050X010	M50x1,5	55	33,0+42,0	42,0	9,0	10	(1)
PCM500_M063X010	M63x1,5	70	40,0+52,0	42,0	10,0	5	(1)

(1) c(UR)us certified

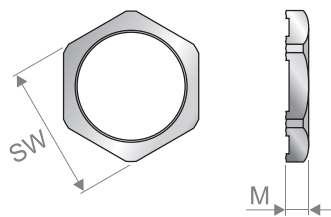
Long straight cable gland



Code	Thread	Tightening key SW [mm]	cable diameter Min/Max [mm]	Sizes [mm]		Packaging [pcs]	Note
				H	L		
PCM501_M012X010	M12x1,5	15	3,5+5,0	22,0	10,0	50	(1)
PCM501_M012X020	M12x1,5	15	5,0+6,5	22,0	10,0	50	(1)
PCM501_M016X010	M16x1,5	18	6,0+10,5	25,0	10,0	50	(1)
PCM501_M020X010	M20x1,5	24	8,0+15,0	27,0	10,0	50	(1)
PCM501_M025X010	M25x1,5	30	12,5+20,5	33,0	11,0	25	(1)
PCM501_M032X010	M32x1,5	36	17,0+25,5	33,0	13,0	25	(1)
PCM501_M040X010	M40x1,5	46	24,0+33,0	38,0	13,0	10	(1)
PCM501_M050X010	M50x1,5	55	33,0+42,0	42,0	14,0	10	(1)
PCM501_M063X010	M63x1,5	70	40,0+52,0	42,0	14,0	5	(1)

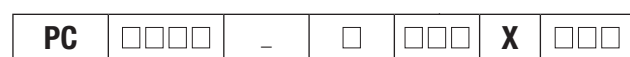
(1) c(UR)us certified

Serrated lock nut



Code	Thread	Tightening key SW [mm]	Sizes		Packaging [pcs]
			M [mm]		
PCFM50_M012	M12x1,5	15	3,5		25
PCFM50_M016	M16x1,5	19	3,5		25
PCFM50_M020	M20x1,5	24	4,0		25
PCFM50_M025	M25x1,5	30	4,0		10
PCFM50_M032	M32x1,5	36	5,0		10
PCFM50_M040	M40x1,5	46	5,3		10
PCFM50_M050	M50x1,5	55	6,3		10
PCFM50_M063	M63x1,5	70	7,0		10
PCFM50_P007	Pg 7	15	3,3		25
PCFM50_P009	Pg 9	18	3,3		25
PCFM50_P011	Pg 11	21	3,5		25
PCFM50_P013	Pg 13	24	3,5		25
PCFM50_P016	Pg 16	26	3,5		25
PCFM50_P021	Pg 21	32	4,0		10
PCFM50_P029	Pg 29	41	4,6		10
PCFM50_P036	Pg 36	50	5,8		10
PCFM50_P042	Pg 42	60	5,8		10
PCFM50_P048	Pg 48	64	6,5		10

Code composition



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

M12, M16, ..., M32

012, 016, ..., 032

Lock nut



Family

Code depending on the lock nuts' family.

Version

To be interted

Metric

M

PG

P

Thread

To be interted

M12, M16, ..., M63

012, 016, ..., 063

Pg 7, Pg 9, ..., Pg 48

007, 009, ..., 048