

4960 - EMI/RFI cable entry glands

The Cable Entry Gland provides an excellent EMP/RFI shield for screened cable which pass through enclosure walls. A round or threaded hole is required to mount the gland. (The gland can also be welded or soldered into the enclosure wall).

The Cable Entry Gland uses a wire mesh olive, which when compressed provides circumferential pressure to both the cable and gland body, giving excellent electrical conductivity. The gasket ensures a good EMI seal between gland enclosure.

Using a conductive heat shrink boot (not supplied) can also provide a degree of environmental sealing.



EMC entry glands

Materials properties

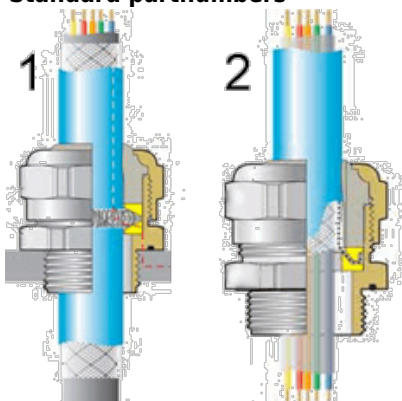
Property	Value
Material	Metal
Grade	Brass
Surface protection	Nickel-plated
Operating temperature	-20C - +130C
EMC Gasket	525 series TCS Knitted wire mesh over solid silicone ring
Thread type	metric wire with EN 50.262; PG-wire volgens DIN 46.320
Sealing	Rubber
Explosion safe zone (Dust)	None
For explosion protection zone (Gas)	None
Implementation	Perpendicular
Shockproof	Yes
Protection (IP)	IP68
Halogen proof	Yes
Version 1	Only cut the cable jacket; braiding* continues (so dont cut it off)
version 2	Only cut cable jacket at height of IRIS
Guarantee	CE

*braiding = cable jacket continues

Shielding performance

Frequency	Attenuation (dB)
10KHz (H)	72
100KHz (H)	84
100KHz (E)	130
1MHz (H)	90
1MHz (E)	128
10Mhz (E)	120
100MHz (E)	120

Standard partnumbers



EMC entry glands version 1 and 2

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Part number	Size metric	Size PG	Tap-length (mm)	Screening. min-max. (mm)	For cable min.-max. (mm)	Version
4960-16-1,5-4,0	M 16 x 1,5	PG 9	6	1,5-4,5	4,0-6,5	1
4960-16-2,5-6,5	M 16 x 1,5	PG 9	6	2,5-6,0	6,5-9,5	1
4960-20-2,5-4,0	M 20 x 1,5	PG 11	6,5	2,5-6,0	4,0-6,5	2
4960-20-3,5-6,5	M 20 x 1,5	PG 11	6,5	3,5-8,5	6,5-9,5	1
4960-20-3,5-7,0	M 20 x 1,5	PG 11	6,5	3,5-8,5	7,0-10,5	1
4961-20-3,5-6,5	M 20 x 1,5	PG 11	6,5	3,5-6,5	6,5-9,5	1
4961-20-3,5-7,0	M 20 x 1,5	PG 13,5	6,5	3,5-8,0	7,0-10,5	1
4960-20-6,5-7,0	M 20 x 1,5	PG 13,5	6,5	6,5-10,5	7,0-10,5	2
4960-20-6,5-9,0	M 20 x 1,5	PG 13,5	6,5	6,5-10,5	9,0-13,0	1
4960-25-3,0-6,5	M 25 x 1,5	PG 13,5	7,5	3,0-8,0	6,5-9,5	1
4960-25-5,0-7,0	M 25 x 1,5	PG 16	7,5	5,0-8,0	7,0-10,5	1
4960-25-5,0-9,0	M 25 x 1,5	PG 16	7,5	5,0-8,0	9,0-13,0	1
4960-25-6,5-9,0	M 25 x 1,5	PG 16	8	6,5-10,5	9,0-13,0	1
4960-32-4,5-9,0	M 32 x 1,5	PG 16	8	4,5-9,5	9,0-13,0	1
4960-32-7,0-9,0	M 32 x 1,5	PG 21	8	7,0-12,0	9,0-13,0	1
4960-32-8,0-11,5	M 32 x 1,5	PG 21	8	8,0-13,5	11,5-15,5	1
4960-32-9,0-14,0	M 32 x 1,5	PG 21	8	9,0-14,5	14,0-18,0	1
4960-40-13,0-14,0	M 40 x 1,5	PG 21	8	13,0-17,0	14,0-18,0	1
4960-40-13,0-17,0	M 40 x 1,5	PG 29	8	13,0-18,0	17,0-20,5	1
4960-40-15,0-17,0	M 40 x 1,5	PG 29	8	15,0-20,0	17,0-20,5	2
4960-40-15,0-20,0	M 40 x 1,5	PG 29	10	15,0-20,0	20,0-25,0	1
4960-50-18,5-24,0	M 50 x 1,5	PG 29	10	18,5-25,0	24,0-28,0	1
4960-50-24,0-27,0	M 50 x 1,5	PG 36	10	24,0-30,5	27,0-32,0	2
4960-50-24,0-29,0	M 50 x 1,5	-	10	24,0-30,5	29,0-33,0	1
4960-50-34,0-34,0	M 50 x 1,5	PG 36	10	34,0-38,0	34,0-39,0	2
4960-50-34,0-36,0	M 50 x 1,5	PG 42	10	34,0-39,0	36,0-40,0	1
4960-63-33,0-39,0	M 63 x 1,5	PG 42	15	33,0-38,0	39,0-44,0	1
4960-63-36,0-45,0	M 63 x 1,5	PG 48	15	36,0-42,0	45,0-51,0	1
4960-63-42,0-45,0	M 63 x 1,5	-	15	42,0-48,5	45,0-51,0	1
4960-63-42,0-51,0	M 63 x 1,5	-	15	42,0-48,5	51,0-56,0	1
4960-75-39,0-42,0	M 75 x 1,5	-	15	39,0-48,0	42,0-47,0	1
4960-75-39,0-45,0	M 75 x 1,5	-	15	39,0-48,0	45,0-52,0	1
4960-75-47,0-54,0	M 75 x 1,5	2 12"	15	47,0-54,0	54,0-58,0	1
4960-80-47,0-58,0	M 80 x 2	2 12"	15	47,0-54,0	58,0-64,0	1
4960-80-47,0-63,0	M 80 x 2	3"	15	47,0-54,0	63,0-70,0	1

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Series	Size metric (M)	Screening. min.	For cable min.
4960	Select an option:	Select an option:	Select an option:
	16 : M 16	1,5 : 1,5 mm	4,0 : 4,0 mm
	20 : M 20	2,5 : 2,5 mm	6,5 : 6,5 mm
	25 : M 25	3,0 : 3,0 mm	7,0 : 7,0 mm
	32 : M 32	3,5 : 3,5 mm	9,0 : 9,0 mm
	40 : M 40	4,5 : 4,5 mm	11,5 : 11,5 mm
	50 : M 50	5,0 : 5,0 mm	14,0 : 14,0 mm
	63 : M 63	6,5 : 6,5 mm	17,0 : 17,0 mm
	75 : M 75	7,0 : 7,0 mm	20,0 : 20,0 mm
	80 : M 80	8,0 : 8,0 mm	24,0 : 24,0 mm
		9,0 : 9,0 mm	27,0 : 27,0 mm
		13,0 : 13,0 mm	29,0 : 29,0 mm
		15,0 : 15,0 mm	34,0 : 34,0 mm
		18,5 : 18,5 mm	36,0 : 36,0 mm
		24,0 : 24,0 mm	39,0 : 39,0 mm
		33,0 : 33,0 mm	42,0 : 42,0 mm
		34,0 : 34,0 mm	45,0 : 45,0 mm
		36,0 : 36,0 mm	51,0 : 51,0 mm
		39,0 : 39,0 mm	54,0 : 54,0 mm
		42,0 : 42,0 mm	58,0 : 58,0 mm
		47,0 : 47,0 mm	63,0 : 63,0 mm