

Кабельные вводы

Технические характеристики

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Cable Glands, Metal, Barrier Glands for non-armored Cables

CG.BN.*.*.*

- For cables without armor
- Barrier gland
- Brass nickel-plated or stainless steel
- Metric and NPT versions available
- Seal silicone
- Ex db, Ex eb and Ex tb certified
- Suitable for operation in Zone 1, Zone 2, Zone 21 and Zone 22



Function

The metal cable glands type CG.BN are suitable for indoor and outdoor applications in Zone 1, Zone 2, Zone 21 and Zone 22 hazardous areas. They are intended for use with cables without armor. A two-part system sealing compound provides a reliable protection against explosion transmission through the cables.

Technical Data

Mechanical specifications

Cable type	non-armored cables
Clamping range (D)	see data table
Thread type	metric ISO pitch 1.5 mm or NPT ANSI ASME B1.20.1
Thread size (TD)	see data table
Degree of protection	IP66 / IP68
Material	
Finish	inherent color silver
Cable gland	brass nickel-plated or AISI 316 (1.4401) stainless steel
O-Ring	silicone
Seal insert	silicone
Mass	see data table
Dimensions	see data table

Ambient conditions

Ambient temperature	-60 ... 100 °C (-76 ... 212 °F)
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Data for application in connection with hazardous areas

EU-type examination certificate	CESI 18 ATEX 037X
Marking	Ⓜ II 2 GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db

International approvals

IECEX approval	IECEX CES 18.0030X
UKCA approval	CML 22 UKEX 1268X
CCC approval	2021312313000456

Conformity

Degree of protection	EN 60529
CE marking	0102

General information

Technical Data

Scope of delivery	K01 - individual component: Cable gland , epoxy moulding compound , pair of gloves , Brief instructions Knn - packing unit with multiple components: Cable glands , epoxy moulding compound , pair of gloves , Brief instructions (1 copy)
Supplementary information	EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable.

Type Code

1		2		3		4		5		6		7
CG	.	BN	.	***	.	**	.	*	.	**	.	K**
CG	.	BN	.	M20	.	BN	.	S	.	16	.	K01

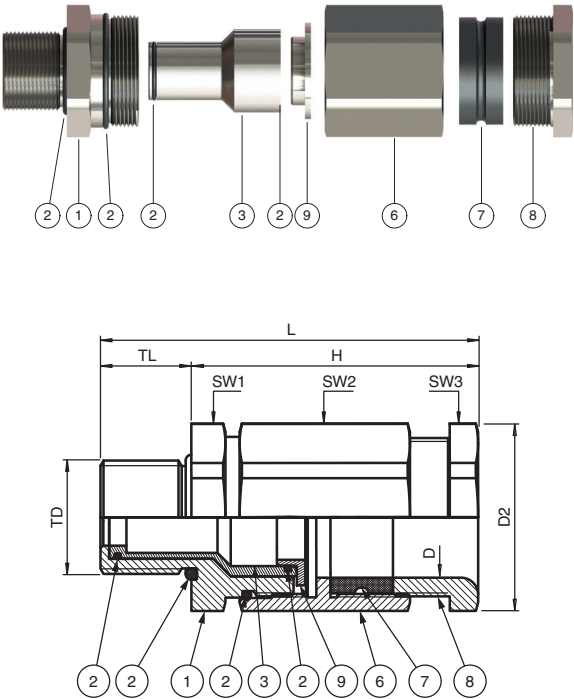
Example: CG.BN.M20.BN.S.16.K01

Barrier gland metal, for non-armored cables, thread size M20, body brass nickel-plated, silicone seals for -60 °C ... 100 °C, installation thread length 16 mm, one piece

1	Series
CG	cable glands
2	Type
BN	metal barrier glands for non-armored cables
3	Thread, type and size
M*	metric ISO pitch 1.5; sizes see dimensions data table
NPT*	NPT ANSI ASME B1.20.1; sizes see dimensions data table
4	Material
BN	brass nickel-plated
SS	stainless steel
5	Material seals / O-Ring
S	silicone
6	Thread length for installation in enclosure
**	length in mm
7	Packaging unit
	units not packaged, for use in Pepperl+Fuchs Solution Engineering Centers
K**	units quantity per package

Dimensions

Legend	
1	Gland body basis
2	O-Ring
3	Barrier tube
6	Gland body
7	Seal insert
8	Pressure nut
9	Barrier pressure ring bushing
D	Clamping range, cable sheath diameter
D2	Width across corners
H	Length outside enclosure
L	Total length
SW*	Width across flats
TD	Thread size
TL	Thread length
Barrier Details in data table	
CQ	Max. number of cores
DS	Core cross-section, single-core cable
DM	Core cross-section, multi-core cable
CC	Max. total core cross-section area



Dimensions Metric - Brass Nickel-plated

Type	Thread size	Clamping range [mm]	Dimensions [mm]						
	TD	D	H	L	TL	D2	SW1	SW2	SW3
CG.BN.M20S.BN.S.16.*	M20	6 ... 13	49.2	65.2	16	27	25	25	25
CG.BN.M20.BN.S.16.*	M20	8 ... 15	49.2	65.2	16	27	25	25	25
CG.BN.M20L.BN.S.16.*	M20	13.5 ... 21	50.5	66.5	16	33	30	30	30
CG.BN.M25S.BN.S.16.*	M25	8 ... 15	49.2	65.2	16	33	30	25	25
CG.BN.M25.BN.S.16.*	M25	13.5 ... 21	50.5	66.5	16	33	30	30	30
CG.BN.M25L.BN.S.16.*	M25	18 ... 27	57.9	73.9	16	44.5	40	40	40
CG.BN.M32.BN.S.16.*	M32	18 ... 27	57.9	73.9	16	44.5	40	40	40
CG.BN.M32L.BN.S.16.*	M32	23 ... 33	59.7	75.7	16	47	43	43	43
CG.BN.M40S.BN.S.16.*	M40	23 ... 33	59.7	75.7	16	50	45	43	43
CG.BN.M40.BN.S.16.*	M40	29 ... 40	67.5	83.5	16	55.5	50	50	50
CG.BN.M50S.BN.S.16.*	M50	29 ... 40	67.5	83.5	16	61	55	50	50
CG.BN.M50.BN.S.16.*	M50	35 ... 48	73.2	89.2	16	64	58	58	58
CG.BN.M63S.BN.S.20.*	M63	35 ... 48	73.2	89.2	16	75	68	58	58
CG.BN.M63.BN.S.20.*	M63	42 ... 56	95.5	115.5	20	83	75	75	75
CG.BN.M75S.BN.S.20.*	M75	42 ... 56	95.5	115.5	20	89	80	75	75
CG.BN.M75.BN.S.20.*	M75	54 ... 70	104.5	124.5	20	110.5	100	100	100

Details and Accessories Metric - Brass Nickel-plated

Type	Thread size	Mass approx.		Barrier details				Nut torques [Nm]			Delivery quantity
	TD	Component	Packaging unit	CQ max. qty.	DS [mm]	DM [mm]	CC max. [mm²]	SW 1	SW 2	SW 3	
CG.BN.M20S.BN.S.16.K01	M20	153 g	210 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	1
CG.BN.M20S.BN.S.16.K15	M20	153 g	3.1 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	15
CG.BN.M20.BN.S.16.K01	M20	147 g	204 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BN.M20.BN.S.16.K15	M20	147 g	3.01 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	15
CG.BN.M20L.BN.S.16.K01	M20	186 g	243 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	1
CG.BN.M20L.BN.S.16.K15	M20	186 g	3.6 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	15
CG.BN.M25S.BN.S.16.K01	M25	184 g	241 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BN.M25S.BN.S.16.K10	M25	184 g	2.46 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	10
CG.BN.M25.BN.S.16.K01	M25	209 g	266 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	1
CG.BN.M25.BN.S.16.K10	M25	209 g	2.71 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	10
CG.BN.M25L.BN.S.16.K01	M25	371 g	428 g	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	1
CG.BN.M25L.BN.S.16.K10	M25	371 g	4.33 kg	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	10
CG.BN.M32.BN.S.16.K01	M32	413 g	470 g	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	1
CG.BN.M32.BN.S.16.K10	M32	413 g	4.75 kg	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	10
CG.BN.M32L.BN.S.16.K01	M32	372 g	454 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	1
CG.BN.M32L.BN.S.16.K10	M32	372 g	4.59 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	10
CG.BN.M40S.BN.S.16.K01	M40	441 g	528 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	80	70	55	1
CG.BN.M40S.BN.S.16.K05	M40	441 g	2.76 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	80	70	55	5
CG.BN.M40.BN.S.16.K01	M40	496 g	608 g	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	1
CG.BN.M40.BN.S.16.K05	M40	469 g	3.17 kg	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	5
CG.BN.M50S.BN.S.16.K01	M50	616 g	728 g	55	1.5 ... 29	1.5 ... 29	660.5	90	80	65	1
CG.BN.M50S.BN.S.16.K02	M50	616 g	1.66 kg	55	1.5 ... 29	1.5 ... 29	660.5	90	80	65	2
CG.BN.M50.BN.S.16.K01	M50	642 g	779 g	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	1
CG.BN.M50.BN.S.16.K02	M50	642 g	1.76 kg	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	2
CG.BN.M63S.BN.S.20.K01	M63	919 g	1.06 kg	75	1.5 ... 37	1.5 ... 37	1075.2	110	90	75	1
CG.BN.M63S.BN.S.20.K02	M63	919 g	2.31 kg	75	1.5 ... 37	1.5 ... 37	1075.2	110	90	75	2
CG.BN.M63.BN.S.20.K01	M63	1.72 kg	1.98 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	1
CG.BN.M63.BN.S.20.K02	M63	1.72 kg	4.17 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	2
CG.BN.M75S.BN.S.20.K01	M75	2 kg	2.26 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	1
CG.BN.M75S.BN.S.20.K02	M75	2 kg	4.72 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	2
CG.BN.M75.BN.S.20.K01	M75	3.26 kg	3.6 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	1
CG.BN.M75.BN.S.20.K02	M75	3.26 kg	7.4 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	2

*Knn: scope of delivery see table technical data

Dimensions Metric - Stainless Steel

Type	Thread size	Clamping range [mm]	Dimensions [mm]						
	TD	D	H	L	TL	D2	SW1	SW2	SW3
CG.BN.M20S.SS.S.16.*	M20	6 ... 13	49.2	65.2	16	27	25	25	25
CG.BN.M20.SS.S.16.*	M20	8 ... 15	49.2	65.2	16	27	25	25	25
CG.BN.M20L.SS.S.16.*	M20	13.5 ... 21	50.5	66.5	16	33	30	30	30
CG.BN.M25S.SS.S.16.*	M25	8 ... 15	49.2	65.2	16	33	30	25	25
CG.BN.M25.SS.S.16.*	M25	13.5 ... 21	50.5	66.5	16	33	30	30	30
CG.BN.M25L.SS.S.16.*	M25	18 ... 27	57.9	73.9	16	44.5	40	40	40
CG.BN.M32S.SS.S.16.*	M32	18 ... 27	57.9	73.9	16	44.5	40	40	40
CG.BN.M32L.SS.S.16.*	M32	23 ... 33	59.7	75.7	16	47	43	43	43
CG.BN.M40S.SS.S.16.*	M40	23 ... 33	59.7	75.7	16	50	45	43	43
CG.BN.M40.SS.S.16.*	M40	29 ... 40	67.5	83.5	16	55.5	50	50	50
CG.BN.M50S.SS.S.16.*	M50	29 ... 40	67.5	83.5	16	61	55	50	50
CG.BN.M50.SS.S.16.*	M50	35 ... 48	73.2	89.2	16	64	58	58	58
CG.BN.M63S.SS.S.20.*	M63	35 ... 48	73.2	89.2	16	75	68	58	58
CG.BN.M63.SS.S.20.*	M63	42 ... 56	95.5	115.5	20	83	75	75	75
CG.BN.M75S.SS.S.20.*	M75	42 ... 56	95.5	115.5	20	89	80	75	75
CG.BN.M75.SS.S.20.*	M75	54 ... 70	104.5	124.5	20	110.5	100	100	100

Details and Accessories Metric - Stainless Steel

Type	Thread size	Mass approx.		Barrier details				Nut torques [Nm]			Delivery quantity
	TD	Component	Packaging unit	CQ max. qty.	DS [mm]	DM [mm]	CC max. [mm ²]	SW 1	SW 2	SW 3	
CG.BN.M20S.SS.S.16.K01	M20	145 g	202 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	1
CG.BN.M20S.SS.S.16.K15	M20	145 g	2.97 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	15
CG.BN.M20.SS.S.16.K01	M20	139 g	196 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BN.M20.SS.S.16.K15	M20	139 g	2.89 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	15
CG.BN.M20L.SS.S.16.K01	M20	176 g	233 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	1
CG.BN.M20L.SS.S.16.K15	M20	176 g	3.45 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	15
CG.BN.M25S.SS.S.16.K01	M25	174 g	231 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BN.M25S.SS.S.16.K10	M25	174 g	2.36 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	10
CG.BN.M25.SS.S.16.K01	M25	198 g	255 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	1
CG.BN.M25.SS.S.16.K10	M25	198 g	2.6 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	10
CG.BN.M25L.SS.S.16.K01	M25	351 g	408 g	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	1
CG.BN.M25L.SS.S.16.K10	M25	351 g	4.13 kg	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	10
CG.BN.M32.SS.S.16.K01	M32	390 g	447 g	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	10
CG.BN.M32.SS.S.16.K10	M32	413 g	4.52 kg	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	10
CG.BN.M32L.SS.S.16.K01	M32	352 g	434 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	1
CG.BN.M32L.SS.S.16.K10	M32	352 g	4.39 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	10
CG.BN.M40S.SS.S.16.K01	M40	416 g	503 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	80	70	55	1
CG.BN.M40S.SS.S.16.K05	M40	416 g	2.64 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	80	70	55	5
CG.BN.M40.SS.S.16.K01	M40	469 g	581 g	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	1
CG.BN.M40.SS.S.16.K05	M40	469 g	3.03 kg	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	5
CG.BN.M50S.SS.S.16.K01	M50	582 g	694 g	55	1.5 ... 29	1.5 ... 29	660.5	90	80	65	1
CG.BN.M50S.SS.S.16.K02	M50	582 g	1.59 kg	55	1.5 ... 29	1.5 ... 29	660.5	90	80	65	2
CG.BN.M50.SS.S.16.K01	M50	606 g	743 g	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	1
CG.BN.M50.SS.S.16.K02	M50	606 g	1.69 kg	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	2
CG.BN.M63S.SS.S.20.K01	M63	868 g	1 kg	75	1.5 ... 37	1.5 ... 37	1075.2	110	90	75	1
CG.BN.M63S.SS.S.20.K02	M63	868 g	2.21 kg	75	1.5 ... 37	1.5 ... 37	1075.2	110	90	75	2
CG.BN.M63.SS.S.20.K01	M63	1.63 kg	1.89 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	1
CG.BN.M63.SS.S.20.K02	M63	1.63 kg	3.97 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	2
CG.BN.M75S.SS.S.20.K01	M75	1.89 kg	2.15 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	1
CG.BN.M75S.SS.S.20.K02	M75	1.89 kg	4.5 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	2
CG.BN.M75.SS.S.20.K01	M75	3.08 kg	3.42 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	1
CG.BN.M75.SS.S.20.K02	M75	3.08 kg	7.04 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	2

*Knn: scope of delivery see table technical data

Dimensions NPT - Brass Nickel-plated

Type	Thread size	Clamping range [mm]	Dimensions [mm]						
	TD	D	H	L	TL	D2	SW1	SW2	SW3
CG.BN.NPT1/2S.BN.S.21.*	NPT 1/2"	6 ... 13	49.2	70.2	21	27	25	25	25
CG.BN.NPT1/2.BN.S.21.*	NPT 1/2"	8 ... 15	49.2	70.2	21	27	25	25	25
CG.BN.NPT1/2L.BN.S.21.*	NPT 1/2"	13.5 ... 21	50.5	71.5	21	33	30	30	30
CG.BN.NPT3/4S.BN.S.21.*	NPT 3/4"	8 ... 15	49	70	21	33	30	25	25
CG.BN.NPT3/4.BN.S.21.*	NPT 3/4"	13.5 ... 21	50.5	71.5	21	33	30	30	30
CG.BN.NPT3/4L.BN.S.21.*	NPT 3/4"	18 ... 27	58	79	21	44.5	40	40	40
CG.BN.NPT1.BN.S.26.*	NPT 1"	18 ... 27	57.9	83.9	26	44.5	40	40	40
CG.BN.NPT1L.BN.S.26.*	NPT 1"	23 ... 33	59.7	85.7	26	47	43	43	43
CG.BN.NPT1-1/4S.BN.S.28.*	NPT 1-1/4"	23 ... 33	59.7	87.7	28	50	45	43	43
CG.BN.NPT1-1/4.BN.S.28.*	NPT 1-1/4"	29 ... 40	67.5	95.5	28	55.5	50	50	50
CG.BN.NPT1-1/2.BN.S.28.*	NPT 1-1/2"	29 ... 40	67.3	95.3	28	61	55	50	50
CG.BN.NPT2.BN.S.28.*	NPT 2"	35 ... 48	73.2	101.2	28	72	65	58	58
CG.BN.NPT2-1/2.BN.S.41.*	NPT 2-1/2"	42 ... 56	95.9	136.9	41	89	80	75	75
CG.BN.NPT3.BN.S.43.*	NPT 3"	54 ... 70	104.5	147.5	43	110.5	100	100	100

Details and Accessories NPT - Brass Nickel-plated

Type	Thread size	Mass approx.		Barrier details				Nut torques [Nm]			Delivery quantity
	TD	Component	Packaging unit	CQ max. qty.	DS [mm]	DM [mm]	CC max. [mm ²]	SW 1	SW 2	SW 3	
CG.BN.NPT1/2S.BN.S.21.K01	NPT 1/2"	170 g	227 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	1
CG.BN.NPT1/2S.BN.S.21.K15	NPT 1/2"	170 g	3.36 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	15
CG.BN.NPT1/2.BN.S.21.K01	NPT 1/2"	164 g	221 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BN.NPT1/2.BN.S.21.K15	NPT 1/2"	164 g	3.27 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	15
CG.BN.NPT1/2L.BN.S.21.K01	NPT 1/2"	202 g	259 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	1
CG.BN.NPT1/2L.BN.S.21.K15	NPT 1/2"	202 g	3.84 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	15
CG.BN.NPT3/4S.BN.S.21.K01	NPT 3/4"	213 g	270 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BN.NPT3/4S.BN.S.21.K10	NPT 3/4"	213 g	2.75 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	10
CG.BN.NPT3/4.BN.S.21.K01	NPT 3/4"	237 g	294 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	1
CG.BN.NPT3/4.BN.S.21.K10	NPT 3/4"	237 g	2.99 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	10
CG.BN.NPT3/4L.BN.S.21.K01	NPT 3/4"	394 g	451 g	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	1
CG.BN.NPT3/4L.BN.S.21.K10	NPT 3/4"	394 g	4.56 kg	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	10
CG.BN.NPT1.BN.S.26.K01	NPT 1"	476 g	538 g	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	1
CG.BN.NPT1.BN.S.26.K10	NPT 1"	476 g	5.38 kg	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	10
CG.BN.NPT1L.BN.S.26.K01	NPT 1"	420 g	507 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	1
CG.BN.NPT1L.BN.S.26.K10	NPT 1"	420 g	5.07 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	10
CG.BN.NPT1-1/4S.BN.S.28.K01	NPT 1-1/4"	556 g	643 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	1
CG.BN.NPT1-1/4S.BN.S.28.K05	NPT 1-1/4"	556 g	3.34 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	5
CG.BN.NPT1-1/4.BN.S.28.K01	NPT 1-1/4"	577 g	689 g	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	1
CG.BN.NPT1-1/4.BN.S.28.K05	NPT 1-1/4"	577 g	3.57 kg	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	5
CG.BN.NPT1-1/2.BN.S.28.K01	NPT 1-1/2"	703 g	815 g	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	1
CG.BN.NPT1-1/2.BN.S.28.K02	NPT 1-1/2"	703 g	1.83 kg	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	2
CG.BN.NPT2.BN.S.28.K01	NPT 2"	970 g	1.11 kg	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	1
CG.BN.NPT2.BN.S.28.K02	NPT 2"	917 g	2.42 kg	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	2
CG.BN.NPT2-1/2.BN.S.41.K01	NPT 2-1/2"	2.36 kg	2.62 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	1
CG.BN.NPT2-1/2.BN.S.41.K02	NPT 2-1/2"	2.36 kg	5.45 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	2
CG.BN.NPT3.BN.S.43.K01	NPT 3"	4.14 kg	4.47 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	1
CG.BN.NPT3.BN.S.43.K02	NPT 3"	4.14 kg	9.15 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	2

*Knn: scope of delivery see table technical data

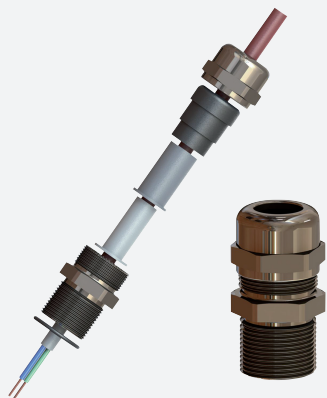
Dimensions NPT - Stainless Steel

Type	Thread size	Clamping range [mm]	Dimensions [mm]						
	TD	D	H	L	TL	D2	SW1	SW2	SW3
CG.BN.NPT1/2S.SS.S.21.*	NPT 1/2"	6 ... 13	49.2	70.2	21	27	25	25	25
CG.BN.NPT1/2.SS.S.21.*	NPT 1/2"	8 ... 15	49.2	70.2	21	27	25	25	25
CG.BN.NPT1/2L.SS.S.21.*	NPT 1/2"	13.5 ... 21	50.5	71.5	21	33	30	30	30
CG.BN.NPT3/4S.SS.S.21.*	NPT 3/4"	8 ... 15	49	70	21	33	30	25	25
CG.BN.NPT3/4.SS.S.21.*	NPT 3/4"	13.5 ... 21	50.5	71.5	21	33	30	30	30
CG.BN.NPT3/4L.SS.S.21.*	NPT 3/4"	18 ... 27	58	79	21	44.5	40	40	40
CG.BN.NPT1.SS.S.26.*	NPT 1"	18 ... 27	57.9	83.9	26	44.5	40	40	40
CG.BN.NPT1L.SS.S.26.*	NPT 1"	23 ... 33	59.7	85.7	26	47	43	43	43
CG.BN.NPT1-1/4S.SS.S.28.*	NPT 1-1/4"	23 ... 33	59.7	87.7	28	50	45	43	43
CG.BN.NPT1-1/4.SS.S.28.*	NPT 1-1/4"	29 ... 40	67.5	95.5	28	55.5	50	50	50
CG.BN.NPT1-1/2.SS.S.28.*	NPT 1-1/2"	29 ... 40	67.3	95.3	28	61	55	50	50
CG.BN.NPT2.SS.S.28.*	NPT 2"	35 ... 48	73.2	101.2	28	72	65	58	58
CG.BN.NPT2-1/2.SS.S.41.*	NPT 2-1/2"	42 ... 56	95.9	136.9	41	89	80	75	75
CG.BN.NPT3.SS.S.43.*	NPT 3"	54 ... 70	104.5	147.5	43	110.5	100	100	100

Details and Accessories NPT - Stainless Steel

Type	Thread size	Mass approx.		Barrier details				Nut torques [Nm]			Delivery quantity
	TD	Component	Packaging unit	CQ max. qty.	DS [mm]	DM [mm]	CC max. [mm ²]	SW 1	SW 2	SW 3	
CG.BN.NPT1/2S.SS.S.21.K01	NPT 1/2"	161 g	218 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	1
CG.BN.NPT1/2S.SS.S.21.K15	NPT 1/2"	161 g	3.22 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	15
CG.BN.NPT1/2.SS.S.21.K01	NPT 1/2"	155 g	212 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BN.NPT1/2.SS.S.21.K15	NPT 1/2"	155 g	3.13 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	15
CG.BN.NPT1/2L.SS.S.21.K01	NPT 1/2"	191 g	248 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	1
CG.BN.NPT1/2L.SS.S.21.K15	NPT 1/2"	191 g	3.67 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	15
CG.BN.NPT3/4S.SS.S.21.K01	NPT 3/4"	202 g	259 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BN.NPT3/4S.SS.S.21.K10	NPT 3/4"	202 g	3.64 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	10
CG.BN.NPT3/4.SS.S.21.K01	NPT 3/4"	224 g	281 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	1
CG.BN.NPT3/4.SS.S.21.K10	NPT 3/4"	224 g	2.86 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	10
CG.BN.NPT3/4L.SS.S.21.K01	NPT 3/4"	373 g	430 g	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	1
CG.BN.NPT3/4L.SS.S.21.K10	NPT 3/4"	373 g	4.35 kg	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	10
CG.BN.NPT1.SS.S.26.K01	NPT 1"	450 g	512 g	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	1
CG.BN.NPT1.SS.S.26.K10	NPT 1"	450 g	5.12 kg	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	10
CG.BN.NPT1L.SS.S.26.K01	NPT 1"	396 g	483 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	1
CG.BN.NPT1L.SS.S.26.K10	NPT 1"	396 g	4.83 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	10
CG.BN.NPT1-1/4S.SS.S.28.K01	NPT 1-1/4"	525 g	612 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	1
CG.BN.NPT1-1/4S.SS.S.28.K05	NPT 1-1/4"	525 g	3.19 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	5
CG.BN.NPT1-1/4.SS.S.28.K01	NPT 1-1/4"	545 g	657 g	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	1
CG.BN.NPT1-1/4.SS.S.28.K05	NPT 1-1/4"	545 g	3.41 kg	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	5
CG.BN.NPT1-1/2.SS.S.28.K01	NPT 1-1/2"	664 g	776 g	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	1
CG.BN.NPT1-1/2.SS.S.28.K02	NPT 1-1/2"	664 g	1.75 kg	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	2
CG.BN.NPT2.SS.S.28.K01	NPT 2"	917 g	1.05 kg	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	1
CG.BN.NPT2.SS.S.28.K02	NPT 2"	917 g	2.31 kg	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	2
CG.BN.NPT2-1/2.SS.S.41.K01	NPT 2-1/2"	2.23 kg	2.49 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	1
CG.BN.NPT2-1/2.SS.S.41.K02	NPT 2-1/2"	2.23 kg	5.18 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	2
CG.BN.NPT3.SS.S.43.K01	NPT 3"	3.9 kg	4.24 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	1
CG.BN.NPT3.SS.S.43.K02	NPT 3"	3.9 kg	8.69 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	2

*Knn: scope of delivery see table technical data



Cable Glands, Metal, for non-armored Cables

CG.NA.*.*.*

- For cables without armor
- Brass nickel-plated or stainless steel
- Metric and NPT versions available
- Ex db, Ex eb and Ex tb certified
- Suitable for operation in Zone 1, Zone 2, Zone 21 and Zone 22
- Suitable for operation in Class I, Zone 1/2/22
- Suitable for operation in Class I, Division 2 when installed in accordance with NEC501.10(B)(2)
- Degree of protection IP66 / IP68, UL Type 4X



Function

The metal cable glands type CG.NA can be used indoor and outdoor in Zone 1, Zone 2, Zone 21 and Zone 22 hazardous areas. They are intended for use with non-armored elastomer and plastic insulated cables providing a combined flameproof seal and environmental seal on the cable outer sheath.

Technical Data

Mechanical specifications

Cable type	non-armored cables
Clamping range (D)	see data table
Thread type	metric ISO pitch 1.5 mm or NPT ANSI ASME B1.20.1
Thread size (TD)	see data table
Degree of protection	IP66 / IP68 , UL Type 4X
Material	
Finish	inherent color silver
Cable gland	brass nickel-plated or AISI 316 (1.4401) stainless steel
Washer gasket	aramid fibers bonded with NBR
O-Ring	chloroprene / neoprene or silicone
Seal insert	chloroprene / neoprene or silicone
Mass	see data table
Dimensions	see data table

Ambient conditions

Ambient temperature	Ex eb and Ex tb versions: chloroprene seal: -40 ... 80 °C (-40 ... 176 °F) silicone seal: -60 ... 140 °C (-76 ... 284 °F) washer gasket: -50 ... 80 °C (-58 ... 176 °F) sealing plugs: -60 ... 70 °C (-76 ... 158 °F) Ex db versions: chloroprene seal: -40 ... 80 °C (-40 ... 176 °F) silicone seal: -60 ... 80 °C (-76 ... 176 °F) washer gasket: -50 ... 80 °C (-58 ... 176 °F) Service temperature might be limited by the use of sealing plugs or washer gaskets.
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Data for application in connection with hazardous areas

EU-type examination certificate	IMQ 14 ATEX 012X
Marking	Ⓔ II 2 GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db

International approvals

UL approval	
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Technical Data

cULus	E490324 tested to UL 514B E490962 tested to UL 2225 CSA 60079-7 , CSA 60079-31
IECEX approval	IECEX IMQ 14.0004X
UKCA approval	CML 21 UKEX 11380X
INMETRO approval	DNV 20.0029 X
CCC approval	2021312313000344
Conformity	
Degree of protection	EN 60529
CE marking	0102
General information	
Scope of delivery	K01 - metric variants, individual component: Cable gland , washer gasket , locknut , Earth tag , shroud PVC , Brief instructions K01 - NPT variants, individual component: Cable gland , shroud PVC , Brief instructions Knn - packing unit with multiple components: Cable glands , Brief instructions (1 copy)
Supplementary information	EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable.
Accessories	
Sealing plugs	see data table

Type Code

1	2	3	4	5	6	7
CG	NA	***	**	*	**	K**
CG	NA	M20	BN	C	16	K01

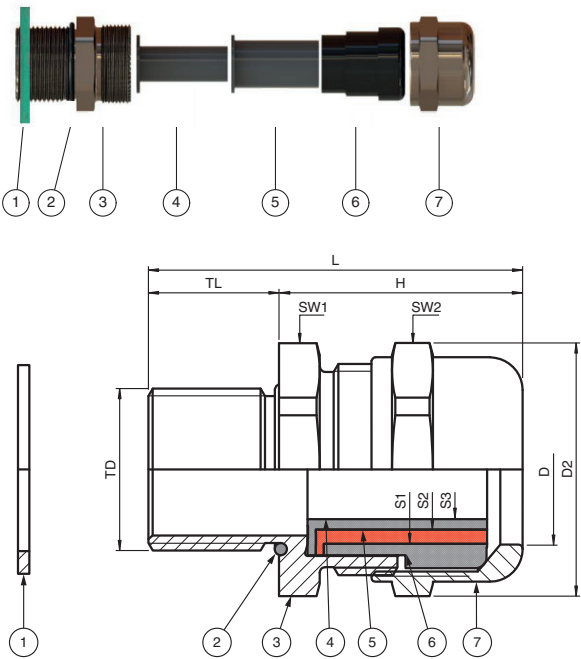
Example: CG.NA.M20.BN.C.16.K01

Cable gland metal, for non-armored cables, thread size M20, body brass nickel-plated, chloroprene seals for -40 °C ... 80 °C, installation thread length 16 mm, one piece

1	Series
CG	cable glands
2	Type
NA	metal, for non-armored cables
3	Thread, type and size
M*	metric ISO pitch 1.5; sizes see dimensions data table
NPT*	NPT ANSI ASME B1.20.1; sizes see dimensions data table
4	Material
BN	brass nickel-plated
SS	stainless steel
5	Material seals / O-Ring
C	chloroprene / neoprene
S	silicone
6	Thread length for installation in enclosure
**	length in mm
7	Packaging unit
	units not packaged, for use in Pepperl+Fuchs Solution Engineering Centers
K**	units quantity per package

Dimensions

Legend	
1	Washer gasket (accessory)
2	O-Ring
3	Gland body basis
4	Seal insert S3
5	Seal insert S2
6	Seal insert S1
7	Cap nut
D	Clamping range, cable sheath diameter
D2	Width across corners
H	Length outside enclosure
L	Total length
S*	Clamping range, seal insert combinations
SW*	Width across flats
TD	Thread size
TL	Thread length



Dimensions Metric - Brass Nickel-plated

Type	Thread size	Clamping range [mm] seal insert combinations				Dimensions [mm]						UL
	TD	D	S1+S2+S3	S1+S2	S1	H	L	TL	D2	SW1	SW2	
CG.NA.M16.BN.C.16.*	M16	4 ... 12	4 ... 6	6 ... 9	9 ... 12	33	49	16	24	22	22	-
CG.NA.M20S.BN.C.16.*	M20	4 ... 12	4 ... 6	6 ... 9	9 ... 12	29	45	16	26.5	24	22	X
CG.NA.M20.BN.C.16.*	M20	10 ... 16	10 ... 12	12 ... 14.5	14.5 ... 16	32	48	16	31	28	28	X
CG.NA.M25S.BN.C.16.*	M25	10 ... 18	10 ... 12	12 ... 14.5	14.5 ... 18	32.5	48.5	16	31	28	28	X
CG.NA.M25.BN.C.16.*	M25	14 ... 20	14 ... 17	17 ... 20	-	36	52	16	39	35	35	X
CG.NA.M32S.BN.C.16.*	M32	14 ... 24	14 ... 17	17 ... 20	20 ... 24	35	51	16	39	35	35	X
CG.NA.M40S.BN.C.18.*	M40	22 ... 32	22 ... 24	24 ... 27	27 ... 32	42.5	60.5	18	49.5	45	45	X
CG.NA.M50S.BN.C.18.*	M50	26 ... 35	26 ... 28	28 ... 31	31 ... 35	45.5	63.5	18	61	55	50	X
CG.NA.M50.BN.C.18.*	M50	35 ... 44	35 ... 38	38 ... 41	41 ... 44	45	63	18	70	64	64	X
CG.NA.M63S.BN.C.18.*	M63	35 ... 45	35 ... 38	38 ... 41	41 ... 45	45	63	18	75	68	64	X
CG.NA.M63.BN.C.18.*	M63	46 ... 56	46 ... 48	48 ... 52	52 ... 56	54	72	18	89	75	80	X

UL: X = UL approved

Details and Accessories Metric - Brass Nickel-plated

Type	Thread size	Mass approx.		Diameter thru-hole [mm]	Nut torques [Nm] seal insert combinations				Sealing plugs	Delivery quantity
	TD	Component	Packaging unit	DT	SW1	SW2 S1+S2+S3	SW2 S1+S2	SW2 S1		
CG.NA.M16.BN.C.16.K01	M16	51 g	76 g	16 ... 16.2	4	20	18	15	BP.NA.M16-M20S.PA	1
CG.NA.M16.BN.C.16.K50	M16	51 g	2.81 kg	16 ... 16.2	4	20	18	15	BP.NA.M16-M20S.PA	50
CG.NA.M20S.BN.C.16.K01	M20	48 g	70 g	20 ... 20.2	5.5	20	18	15	BP.NA.M16-M20S.PA	1
CG.NA.M20S.BN.C.16.K50	M20	48 g	2.64 kg	20 ... 20.2	5.5	20	18	15	BP.NA.M16-M20S.PA	50
CG.NA.M20.BN.C.16.K01	M20	65 g	101 g	20 ... 20.2	6	24	22	18	BP.NA.M20-M25S.PA	1
CG.NA.M20.BN.C.16.K50	M20	65 g	3.58 kg	20 ... 20.2	6	24	22	18	BP.NA.M20-M25S.PA	50
CG.NA.M25S.BN.C.16.K01	M25	73 g	110 g	25 ... 25.2	6	25	22	18	BP.NA.M20-M25S.PA	1
CG.NA.M25S.BN.C.16.K25	M25	73 g	2.01 kg	25 ... 25.2	6	25	22	18	BP.NA.M20-M25S.PA	25
CG.NA.M25.BN.C.16.K01	M25	116 g	160 g	25 ... 25.2	6	26	22	-	BP.NA.M25-M32S.PA	1
CG.NA.M25.BN.C.16.K15	M25	116 g	1.91 kg	25 ... 25.2	6	26	22	-	BP.NA.M25-M32S.PA	15
CG.NA.M32S.BN.C.16.K01	M32	115 g	165 g	32 ... 32.3	6	28	23	20	BP.NA.M25-M32S.PA	1
CG.NA.M32S.BN.C.16.K15	M32	115 g	1.9 kg	32 ... 32.3	6	28	23	20	BP.NA.M25-M32S.PA	15
CG.NA.M40S.BN.C.18.K01	M40	211 g	293 g	40 ... 40.3	12	56	50	45	BP.NA.M32-M40S.PA	1
CG.NA.M40S.BN.C.18.K05	M40	211 g	1.16 kg	40 ... 40.3	12	56	50	45	BP.NA.M32-M40S.PA	5
CG.NA.M50S.BN.C.18.K01	M50	327 g	458 g	50 ... 50.3	18	57	55	52	BP.NA.M40-M50S.PA	1
CG.NA.M50S.BN.C.18.K05	M50	327 g	1.8 kg	50 ... 50.3	18	57	55	52	BP.NA.M40-M50S.PA	5
CG.NA.M50.BN.C.18.K01	M50	438 g	613 g	50 ... 50.3	18	190	155	140	BP.NA.M50-M63S.PA	1
CG.NA.M50.BN.C.18.K04	M50	438 g	1.93 g	50 ... 50.3	18	190	155	140	BP.NA.M50-M63S.PA	4
CG.NA.M63S.BN.C.18.K01	M63	468 g	655 g	63 ... 63.3	25	190	155	140	BP.NA.M50-M63S.PA	1
CG.NA.M63S.BN.C.18.K04	M63	468 g	2.06 kg	63 ... 63.3	25	190	155	140	BP.NA.M50-M63S.PA	4
CG.NA.M63.BN.C.18.K01	M63	716 g	891 g	63 ... 63.3	25	160	145	135	BP.NA.M63-M75S.PA	1
CG.NA.M63.BN.C.18.K02	M63	716 g	1.58 kg	63 ... 63.3	25	160	145	135	BP.NA.M63-M75S.PA	2

*Knn: scope of delivery see table technical data

Dimensions Metric - Stainless Steel

Type	Thread size	Clamping range [mm] seal insert combinations				Dimensions [mm]						UL
	TD	D	S1+S2+S3	S1+S2	S1	H	L	TL	D2	SW1	SW2	
CG.NA.M16.SS.C.16.*	M16	4 ... 12	4 ... 6	6 ... 9	9 ... 12	33	49	16	24	22	22	-
CG.NA.M20S.SS.C.16.*	M20	4 ... 12	4 ... 6	6 ... 9	9 ... 12	29	45	16	26.5	24	22	X
CG.NA.M20.SS.C.16.*	M20	10 ... 16	10 ... 12	12 ... 14.5	14.5 ... 16	32	48	16	31	28	28	X
CG.NA.M25S.SS.C.16.*	M25	10 ... 18	10 ... 12	12 ... 14.5	14.5 ... 18	32.5	48.5	16	31	28	28	X
CG.NA.M25.SS.C.16.*	M25	14 ... 20	14 ... 17	17 ... 20	-	36	52	16	39	35	35	X
CG.NA.M32S.SS.C.16.*	M32	14 ... 24	14 ... 17	17 ... 20	20 ... 24	35	51	16	39	35	35	X
CG.NA.M40S.SS.C.18.*	M40	22 ... 32	22 ... 24	24 ... 27	27 ... 32	42.5	60.5	18	49.5	45	45	X
CG.NA.M50S.SS.C.18.*	M50	26 ... 35	26 ... 28	28 ... 31	31 ... 35	45.5	63.5	18	61	55	50	X
CG.NA.M50.SS.C.18.*	M50	35 ... 44	35 ... 38	38 ... 41	41 ... 44	45	63	18	70	64	64	X
CG.NA.M63S.SS.C.18.*	M63	35 ... 45	35 ... 38	38 ... 41	41 ... 45	45	63	18	75	68	64	X
CG.NA.M63.SS.C.18.*	M63	46 ... 56	46 ... 48	48 ... 52	52 ... 56	54	72	18	89	75	80	X

UL: X = UL approved

Details and Accessories Metric - Stainless Steel

Type	Thread size	Mass approx.		Diameter thru-hole [mm]	Nut torques [Nm] seal insert combinations				Sealing plugs	Delivery quantity
	TD	Component	Packaging unit	DT	SW1	SW2 S1+S2+S3	SW2 S1+S2	SW2 S1		
CG.NA.M16.SS.C.16.K01	M16	49 g	69 g	16 ... 16.2	4	20	18	15	BP.NA.M16-M20S.PA	1
CG.NA.M16.SS.C.16.K50	M16	49 g	2.7 kg	16 ... 16.2	4	20	18	15	BP.NA.M16-M20S.PA	50
CG.NA.M20S.SS.C.16.K01	M20	49 g	82 g	20 ... 20.2	5.5	20	18	15	BP.NA.M16-M20S.PA	1
CG.NA.M20S.SS.C.16.K50	M20	49 g	2.7 kg	20 ... 20.2	5.5	20	18	15	BP.NA.M16-M20S.PA	50
CG.NA.M20.SS.C.16.K01	M20	69 g	97 g	20 ... 20.2	6	24	22	18	BP.NA.M20-M25S.PA	1
CG.NA.M20.SS.C.16.K50	M20	69 g	3.8 kg	20 ... 20.2	6	24	22	18	BP.NA.M20-M25S.PA	50
CG.NA.M25S.SS.C.16.K01	M25	75 g	105 g	25 ... 25.2	6	25	22	18	BP.NA.M20-M25S.PA	1
CG.NA.M25S.SS.C.16.K25	M25	75 g	2.06 kg	25 ... 25.2	6	25	22	18	BP.NA.M20-M25S.PA	25
CG.NA.M25.SS.C.16.K01	M25	110 g	154 g	25 ... 25.2	6	26	22	-	BP.NA.M25-M32S.PA	1
CG.NA.M25.SS.C.16.K15	M25	110 g	1.82 kg	25 ... 25.2	6	26	22	-	BP.NA.M25-M32S.PA	15
CG.NA.M32S.SS.C.16.K01	M32	116 g	162 g	32 ... 32.3	6	28	23	20	BP.NA.M25-M32S.PA	1
CG.NA.M32S.SS.C.16.K15	M32	116 g	1.91 kg	32 ... 32.3	6	28	23	20	BP.NA.M25-M32S.PA	15
CG.NA.M40S.SS.C.18.K01	M40	214 g	300 g	40 ... 40.3	12	56	50	45	BP.NA.M32-M40S.PA	1
CG.NA.M40S.SS.C.18.K05	M40	214 g	1.18 kg	40 ... 40.3	12	56	50	45	BP.NA.M32-M40S.PA	5
CG.NA.M50S.SS.C.18.K01	M50	316 g	442 g	50 ... 50.3	18	57	55	52	BP.NA.M40-M50S.PA	1
CG.NA.M50S.SS.C.18.K05	M50	316 g	1.74 g	50 ... 50.3	18	57	55	52	BP.NA.M40-M50S.PA	5
CG.NA.M50.SS.C.18.K01	M50	412 g	577 g	50 ... 50.3	18	190	155	140	BP.NA.M50-M63S.PA	1
CG.NA.M50.SS.C.18.K04	M50	412 g	1.81 kg	50 ... 50.3	18	190	155	140	BP.NA.M50-M63S.PA	4
CG.NA.M63S.SS.C.18.K01	M63	464 g	650 g	63 ... 63.3	25	190	155	140	BP.NA.M50-M63S.PA	1
CG.NA.M63S.SS.C.18.K04	M63	464 g	2.04 kg	63 ... 63.3	25	190	155	140	BP.NA.M50-M63S.PA	4
CG.NA.M63.SS.C.18.K01	M63	779 g	843 g	63 ... 63.3	25	160	145	135	BP.NA.M63-M75S.PA	1
CG.NA.M63.SS.C.18.K02	M63	779 g	1.71 kg	63 ... 63.3	25	160	145	135	BP.NA.M63-M75S.PA	2

*Knn: scope of delivery see table technical data

Dimensions NPT - Brass Nickel-plated

Type	Thread size	Clamping range [mm] seal insert combinations				Dimensions [mm]						UL
	TD	D	S1+S2+S3	S1+S2	S1	H	L	TL	D2	SW1	SW2	
CG.NA.NPT3/8.BN.C.16.*	NPT 3/8"	4 ... 12	4 ... 6	6 ... 9	9 ... 12	33	49	16	24.5	22	22	-
CG.NA.NPT1/2S.BN.C.16.*	NPT 1/2"	4 ... 12	4 ... 6	6 ... 9	9 ... 12	29	45	16	26.5	24	22	-
CG.NA.NPT1/2.BN.C.16.*	NPT 1/2"	10 ... 16	10 ... 12	12 ... 14.5	14.5 ... 16	32	48	16	31	28	28	-
CG.NA.NPT3/4S.BN.C.16.*	NPT 3/4"	10 ... 18	10 ... 12	12 ... 14.5	14.5 ... 18	32	48	16	31	28	28	X
CG.NA.NPT3/4.BN.C.16.*	NPT 3/4"	14 ... 20	14 ... 17	17 ... 20	-	35	51	16	39	35	35	X
CG.NA.NPT1S.BN.C.20.*	NPT 1"	14 ... 24	14 ... 17	17 ... 20	20 ... 24	35	55	20	39	35	35	X
CG.NA.NPT1.BN.C.20.*	NPT 1"	22 ... 26	22 ... 24	24 ... 26	-	42	62	20	49.5	45	45	X
CG.NA.NPT1-1/4S.BN.C.20.*	NPT 1-1/4"	22 ... 32	22 ... 24	24 ... 27	27 ... 32	42.5	62.5	20	49.5	45	45	X
CG.NA.NPT1-1/4.BN.C.20.*	NPT 1-1/4"	26 ... 34	26 ... 28	28 ... 31	31 ... 34	45.5	65.5	20	55.5	50	50	X
CG.NA.NPT1-1/2S.BN.C.20.*	NPT 1-1/2"	26 ... 35	26 ... 28	28 ... 31	31 ... 35	45.5	65.5	20	61	55	50	X
CG.NA.NPT1-1/2.BN.C.20.*	NPT 1-1/2"	35 ... 41	35 ... 38	38 ... 41	-	44	64	20	70	64	64	X
CG.NA.NPT2S.BN.C.20.*	NPT 2"	35 ... 45	35 ... 38	38 ... 41	41 ... 45	45	65	20	75	68	64	X

UL: X = UL approved

Details and Accessories NPT - Brass Nickel-plated

Type	Thread size	Mass approx.		Diameter thru-hole [mm]	Nut torques [Nm] seal insert combinations				Sealing plugs	Delivery quantity
	TD	Component	Packaging unit	DT	SW1	SW2 S1+S2+S3	SW2 S1+S2	SW2 S1		
CG.NA.NPT3/8.BN.C.16.K01	NPT 3/8"	56 g	67 g	17.2 ... 17.4	4	20	18	16	BP.NA.M16-M20S.PA	1
CG.NA.NPT3/8.BN.C.16.K50	NPT 3/8"	56 g	3.08 kg	17.2 ... 17.4	4	20	18	16	BP.NA.M16-M20S.PA	50
CG.NA.NPT1/2S.BN.C.16.K01	NPT 1/2"	54 g	2.97 kg	21.4 ... 21.6	8	20	18	15	BP.NA.M16-M20S.PA	1
CG.NA.NPT1/2S.BN.C.16.K50	NPT 1/2"	54 g	2.97 kg	21.4 ... 21.6	8	20	18	15	BP.NA.M16-M20S.PA	50
CG.NA.NPT1/2.BN.C.16.K01	NPT 1/2"	72 g	92 g	21.4 ... 21.6	8	24	22	18	BP.NA.M20-M25S.PA	1
CG.NA.NPT1/2.BN.C.16.K50	NPT 1/2"	72 g	3.96 kg	21.4 ... 21.6	8	24	22	18	BP.NA.M20-M25S.PA	50
CG.NA.NPT3/4S.BN.C.16.K01	NPT 3/4"	85 g	102 g	26.7 ... 26.9	10	25	22	18	BP.NA.M20-M25S.PA	1
CG.NA.NPT3/4S.BN.C.16.K25	NPT 3/4"	85 g	2.34 kg	26.7 ... 26.9	10	25	22	18	BP.NA.M20-M25S.PA	25
CG.NA.NPT3/4.BN.C.16.K01	NPT 3/4"	119 g	143 g	26.7 ... 26.9	10	26	22	-	BP.NA.M25-M32S.PA	1
CG.NA.NPT3/4.BN.C.16.K15	NPT 3/4"	119 g	1.96 kg	26.7 ... 26.9	10	26	22	-	BP.NA.M25-M32S.PA	15
CG.NA.NPT1S.BN.C.20.K01	NPT 1"	134 g	161 g	33.5 ... 33.7	8	28	23	20	BP.NA.M25-M32S.PA	1
CG.NA.NPT1S.BN.C.20.K15	NPT 1"	134 g	2.21 kg	33.5 ... 33.7	8	28	23	20	BP.NA.M25-M32S.PA	15
CG.NA.NPT1.BN.C.20.K01	NPT 1"	131 g	157 g	33.5 ... 33.7	8	45	40	-	BP.NA.M32-M40S.PA	1
CG.NA.NPT1.BN.C.20.K05	NPT 1"	131 g	720 g	33.5 ... 33.7	8	45	40	-	BP.NA.M32-M40S.PA	5
CG.NA.NPT1-1/4S.BN.C.20.K01	NPT 1-1/4"	232 g	278 g	42.2 ... 42.4	10	56	50	45	BP.NA.M32-M40S.PA	1
CG.NA.NPT1-1/4S.BN.C.20.K05	NPT 1-1/4"	232 g	1.28 kg	42.2 ... 42.4	10	56	50	45	BP.NA.M32-M40S.PA	5
CG.NA.NPT1-1/4.BN.C.20.K01	NPT 1-1/4"	292 g	350 g	42.2 ... 42.4	10	57	55	52	BP.NA.M40-M50S.PA	1
CG.NA.NPT1-1/4.BN.C.20.K05	NPT 1-1/4"	292 g	1.61 kg	42.2 ... 42.4	10	57	55	52	BP.NA.M40-M50S.PA	5
CG.NA.NPT1-1/2S.BN.C.20.K01	NPT 1-1/2"	343 g	412 g	48.3 ... 48.5	12	57	55	52	BP.NA.M40-M50S.PA	1
CG.NA.NPT1-1/2S.BN.C.20.K05	NPT 1-1/2"	343 g	1.89 kg	48.3 ... 48.5	12	57	55	52	BP.NA.M40-M50S.PA	5
CG.NA.NPT1-1/2.BN.C.20.K01	NPT 1-1/2"	422 g	506 g	48.3 ... 48.5	12	190	155	-	BP.NA.M50-M63S.PA	1
CG.NA.NPT1-1/2.BN.C.20.K04	NPT 1-1/2"	422 g	1.86 kg	48.3 ... 48.5	12	190	155	-	BP.NA.M50-M63S.PA	4
CG.NA.NPT2S.BN.C.20.K01	NPT 2"	465 g	558 g	60.4 ... 60.7	40	190	155	140	BP.NA.M50-M63S.PA	1
CG.NA.NPT2S.BN.C.20.K04	NPT 2"	465 g	2.05 kg	60.4 ... 60.7	40	190	155	140	BP.NA.M50-M63S.PA	4

*Knn: scope of delivery see table technical data

Dimensions NPT - Stainless Steel

Type	Thread size	Clamping range [mm] seal insert combinations				Dimensions [mm]						UL
	TD	D	S1+S2+S3	S1+S2	S1	H	L	TL	D2	SW1	SW2	
CG.NA.NPT3/8.SS.C.16.*	NPT 3/8"	4 ... 12	4 ... 6	6 ... 9	9 ... 12	33	49	16	24.5	22	22	-
CG.NA.NPT1/2S.SS.C.16.*	NPT 1/2"	4 ... 12	4 ... 6	6 ... 9	9 ... 12	29	45	16	26.5	24	22	-
CG.NA.NPT1/2.SS.C.16.*	NPT 1/2"	10 ... 16	10 ... 12	12 ... 14.5	14.5 ... 16	32	48	16	31	28	28	-
CG.NA.NPT3/4S.SS.C.16.*	NPT 3/4"	10 ... 18	10 ... 12	12 ... 14.5	14.5 ... 18	32	48	16	31	28	28	X
CG.NA.NPT3/4.SS.C.16.*	NPT 3/4"	14 ... 20	14 ... 17	17 ... 20	-	35	51	16	39	35	35	X
CG.NA.NPT1S.SS.C.20.*	NPT 1"	14 ... 24	14 ... 17	17 ... 20	20 ... 24	35	55	20	39	35	35	X
CG.NA.NPT1.SS.C.20.*	NPT 1"	22 ... 26	22 ... 24	24 ... 26	-	42	62	20	49.5	45	45	X
CG.NA.NPT1-1/4S.SS.C.20.*	NPT 1-1/4"	22 ... 32	22 ... 24	24 ... 27	27 ... 32	42.5	62.5	20	49.5	45	45	X
CG.NA.NPT1-1/4.SS.C.20.*	NPT 1-1/4"	26 ... 34	26 ... 28	28 ... 31	31 ... 34	45.5	65.5	20	55.5	50	50	X
CG.NA.NPT1-1/2S.SS.C.20.*	NPT 1-1/2"	26 ... 35	26 ... 28	28 ... 31	31 ... 35	45.5	65.5	20	61	55	50	X
CG.NA.NPT1-1/2.SS.C.20.*	NPT 1-1/2"	35 ... 41	35 ... 38	38 ... 41	-	44	64	20	70	64	64	X
CG.NA.NPT2S.SS.C.20.*	NPT 2"	35 ... 45	35 ... 38	38 ... 41	41 ... 45	45	65	20	75	68	64	X

UL: X = UL approved

Details and Accessories NPT - Stainless Steel

Type	Thread size	Mass approx.		Diameter thru-hole [mm]	Nut torques [Nm] seal insert combinations				Sealing plugs	Delivery quantity
	TD	Component	Packaging unit	DT	SW1	SW2 S1+S2+S3	SW2 S1+S2	SW2 S1		
CG.NA.NPT3/8.SS.C.16.K01	NPT 3/8"	49 g	59 g	17.2 ... 17.4	4	20	18	16	BP.NA.M16-M20S.PA	1
CG.NA.NPT3/8.SS.C.16.K50	NPT 3/8"	49 g	2.7 kg	17.2 ... 17.4	4	20	18	16	BP.NA.M16-M20S.PA	50
CG.NA.NPT1/2S.SS.C.16.K01	NPT 1/2"	51 g	61 g	21.4 ... 21.6	8	20	18	15	BP.NA.M16-M20S.PA	1
CG.NA.NPT1/2S.SS.C.16.K50	NPT 1/2"	51 g	2.81 kg	21.4 ... 21.6	8	20	18	15	BP.NA.M16-M20S.PA	50
CG.NA.NPT1/2.SS.C.16.K01	NPT 1/2"	78 g	94 g	21.4 ... 21.6	8	24	22	18	BP.NA.M20-M25S.PA	1
CG.NA.NPT1/2.SS.C.16.K50	NPT 1/2"	78 g	4.29 kg	21.4 ... 21.6	8	24	22	18	BP.NA.M20-M25S.PA	50
CG.NA.NPT3/4S.SS.C.16.K01	NPT 3/4"	75 g	90 g	26.7 ... 26.9	10	25	22	18	BP.NA.M20-M25S.PA	1
CG.NA.NPT3/4S.SS.C.16.K25	NPT 3/4"	75 g	2.06 kg	26.7 ... 26.9	10	25	22	18	BP.NA.M20-M25S.PA	25
CG.NA.NPT3/4.SS.C.16.K01	NPT 3/4"	118 g	142 g	26.7 ... 26.9	10	26	22	-	BP.NA.M25-M32S.PA	1
CG.NA.NPT3/4.SS.C.16.K15	NPT 3/4"	118 g	1.95 kg	26.7 ... 26.9	10	26	22	-	BP.NA.M25-M32S.PA	15
CG.NA.NPT1S.SS.C.20.K01	NPT 1"	116 g	139 g	33.5 ... 33.7	8	28	23	20	BP.NA.M25-M32S.PA	1
CG.NA.NPT1S.SS.C.20.K15	NPT 1"	116 g	1.91 kg	33.5 ... 33.7	8	28	23	20	BP.NA.M25-M32S.PA	15
CG.NA.NPT1.SS.C.20.K01	NPT 1"	118 g	142 g	33.5 ... 33.7	8	45	40	-	BP.NA.M32-M40S.PA	1
CG.NA.NPT1.SS.C.20.K05	NPT 1"	118 g	650 g	33.5 ... 33.7	8	45	40	-	BP.NA.M32-M40S.PA	5
CG.NA.NPT1-1/4S.SS.C.20.K01	NPT 1-1/4"	212 g	254 g	42.2 ... 42.4	10	56	50	45	BP.NA.M32-M40S.PA	1
CG.NA.NPT1-1/4S.SS.C.20.K05	NPT 1-1/4"	212 g	1.17 kg	42.2 ... 42.4	10	56	50	45	BP.NA.M32-M40S.PA	5
CG.NA.NPT1-1/4.SS.C.20.K01	NPT 1-1/4"	285 g	342 g	42.2 ... 42.4	10	57	55	52	BP.NA.M40-M50S.PA	1
CG.NA.NPT1-1/4.SS.C.20.K05	NPT 1-1/4"	285 g	1.57 kg	42.2 ... 42.4	10	57	55	52	BP.NA.M40-M50S.PA	5
CG.NA.NPT1-1/2S.SS.C.20.K01	NPT 1-1/2"	328 g	394 g	48.3 ... 48.5	12	57	55	52	BP.NA.M40-M50S.PA	1
CG.NA.NPT1-1/2S.SS.C.20.K05	NPT 1-1/2"	328 g	1.8 kg	48.3 ... 48.5	12	57	55	52	BP.NA.M40-M50S.PA	5
CG.NA.NPT1-1/2.SS.C.20.K01	NPT 1-1/2"	352 g	422 g	48.3 ... 48.5	12	190	155	-	BP.NA.M50-M63S.PA	1
CG.NA.NPT1-1/2.SS.C.20.K04	NPT 1-1/2"	352 g	1.55 kg	48.3 ... 48.5	12	190	155	-	BP.NA.M50-M63S.PA	4
CG.NA.NPT2S.SS.C.20.K01	NPT 2"	463 g	556 g	60.4 ... 60.7	40	190	155	140	BP.NA.M50-M63S.PA	1
CG.NA.NPT2S.SS.C.20.K04	NPT 2"	463 g	2.04 kg	60.4 ... 60.7	40	190	155	140	BP.NA.M50-M63S.PA	4

*Knn: scope of delivery see table technical data



Cable Glands, Metal, for shielded EMC Cables

CG.EM.*.*.*

- For shielded EMC cables without armor
- Brass nickel-plated or stainless steel
- Metric and NPT versions available
- Ex db, Ex eb and Ex tb certified
- Suitable for operation in Zone 1, Zone 2, Zone 21 and Zone 22
- Suitable for operation in Class I, Zone 1/2/22
- Suitable for operation in Class I, Division 2 when installed in accordance with NEC501.10(B)(2)
- Degree of protection IP66 / IP68, UL Type 4X



Function

The metal cable glands type CG.EM can be used indoor and outdoor in Zone 1, Zone 2, Zone 21 and Zone 22 hazardous areas. They are intended to be used with shielded cables where the shield will be connected to the inner shielding ring of the gland in order to provide the necessary EMC protection.

Technical Data

Mechanical specifications

Cable type	non-armored shielded EMC cables
Clamping range (D)	see data table
Thread type	metric ISO pitch 1.5 mm or NPT ANSI ASME B1.20.1
Thread size (TD)	see data table
Degree of protection	IP66 / IP68 , UL Type 4X
Material	
Finish	inherent color silver
Cable gland	brass nickel-plated or AISI 316 (1.4401) stainless steel
Washer gasket	aramid fibers bonded with NBR
O-Ring	chloroprene / neoprene or silicone
Seal insert	chloroprene / neoprene or silicone
Mass	see data table
Dimensions	see data table

Ambient conditions

Ambient temperature	Ex eb and Ex tb versions: chloroprene seal: -40 ... 80 °C (-40 ... 176 °F) silicone seal: -60 ... 140 °C (-76 ... 284 °F) washer gasket: -50 ... 80 °C (-58 ... 176 °F) sealing plugs: -60 ... 70 °C (-76 ... 158 °F) Ex db versions: chloroprene seal: -40 ... 80 °C (-40 ... 176 °F) silicone seal: -60 ... 80 °C (-76 ... 176 °F) washer gasket: -50 ... 80 °C (-58 ... 176 °F) Service temperature might be limited by the use of sealing plugs or washer gaskets.
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Data for application in connection with hazardous areas

EU-type examination certificate	IMQ 14 ATEX 012X
Marking	Ⓔ II 2 GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db

International approvals

UL approval	
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Technical Data

cULus	E490962 tested to UL 2225 < CSA 60079-7 , CSA 60079-31
IECEX approval	IECEX IMQ 14.0004X
UKCA approval	CML 21 UKEX 11380X
INMETRO approval	DNV 20.0029 X
CCC approval	2021312313000344
Conformity	
Degree of protection	EN 60529
CE marking	0102
General information	
Scope of delivery	K01 - metric variants, individual component: Cable gland , washer gasket , locknut , Earth tag , shroud PVC , Brief instructions K01 - NPT variants, individual component: Cable gland , shroud PVC , Brief instructions Knn - packing unit with multiple components: Cable glands , Brief instructions (1 copy)
Supplementary information	EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable.
Accessories	
Sealing plugs	see data table

Type Code

1		2		3		4		5		6		7
CG	.	EM	.	***	.	**	.	*	.	**	.	K**
CG	.	EM	.	M20	.	BN	.	C	.	18	.	K01

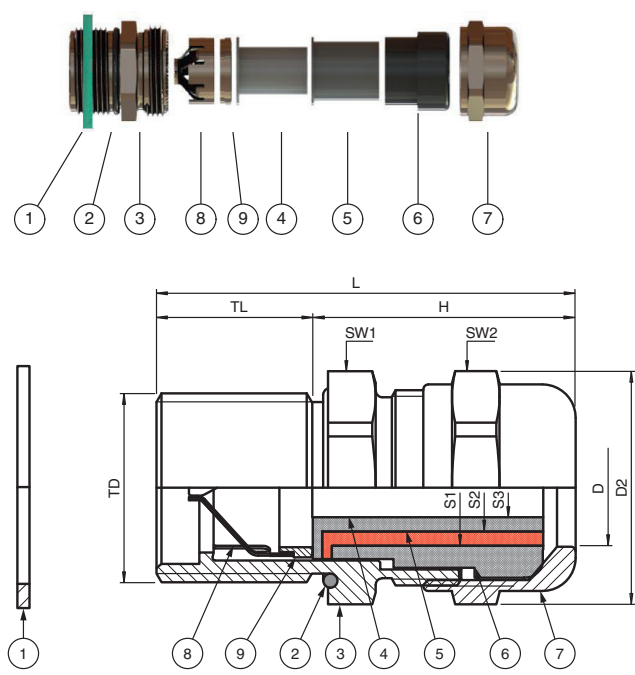
Example: CG.EM.M20.BN.C.18.K01

Cable gland metal, for shielded EMC cables, thread size M20, body brass nickel-plated, chloroprene seals for -40 °C ... 80 °C, installation thread length 18 mm, one piece

1	Series
CG	cable glands
2	Type
EM	metal, for shielded EMC cables
3	Thread, type and size
M*	metric ISO pitch 1.5; sizes see dimensions data table
NPT*	NPT ANSI ASME B1.20.1; sizes see dimensions data table
4	Material
BN	brass nickel-plated
SS	stainless steel
5	Material seals / O-Ring
C	chloroprene / neoprene
S	silicone
6	Thread length for installation in enclosure
**	length in mm
7	Packaging unit
	units not packaged, for use in Pepperl+Fuchs Solution Engineering Centers
K**	units quantity per package

Dimensions

Legend	
1	Washer gasket (accessory)
2	O-Ring
3	Gland body basis
4	Seal insert S3
5	Seal insert S2
6	Seal insert S1
7	Cap nut
8	EMC spring insert
9	Pressure ring
D	Clamping range, cable sheath diameter
D2	Width across corners
H	Length outside enclosure
L	Total length
S*	Clamping range, seal insert combinations
SW*	Width across flats
TD	Thread size
TL	Thread length



Dimensions Metric - Brass Nickel-plated

Type	Thread size	Clamping range [mm] seal insert combinations				Dimensions [mm]						UL
	TD	D	S1+S2+S3	S1+S2	S1	H	L	TL	D2	SW1	SW2	
CG.EM.M16.BN.C.16.*	M16	4 ... 8	-	4 ... 6	6 ... 8	30.5	46.5	16	22	20	20	-
CG.EM.M20.BN.C.18.*	M20	4 ... 12	4 ... 6	6 ... 9	9 ... 12	28.5	46.5	18	26.5	24	20	X
CG.EM.M25.BN.C.16.*	M25	10 ... 18	10 ... 12	12 ... 14.5	14.5 ... 18	32	48	16	31	28	28	X
CG.EM.M32.BN.C.19.*	M32	14 ... 24	14 ... 17	17 ... 20	20 ... 24	35	54	19	39	35	35	X
CG.EM.M40.BN.C.20.*	M40	22 ... 32	22 ... 24	24 ... 27	27 ... 32	42.5	62.5	20	49.5	45	45	X
CG.EM.M50.BN.C.20.*	M50	26 ... 35	26 ... 28	28 ... 31	31 ... 35	48.5	68.5	20	61	55	50	X

UL: X = UL approved

Details and Accessories Metric - Brass Nickel-plated

Type	Thread size	Mass approx.		Diameter thru-hole [mm]	Nut torques [Nm] seal insert combinations				Sealing plugs	Delivery quantity
	TD	Component	Packaging unit	DT	SW1	SW2 S1+S2+S3	SW2 S1+S2	SW2 S1		
CG.EM.M16.BN.C.16.K01	M16	58 g	87 g	16 ... 16.2	4	-	25	18	BP.NA.M16-M20S.PA	1
CG.EM.M16.BN.C.16.K50	M16	58 g	3.19 kg	16 ... 16.2	4	-	25	18	BP.NA.M16-M20S.PA	50
CG.EM.M20.BN.C.18.K01	M20	56 g	85 g	20 ... 20.2	5.5	20	18	15	BP.NA.M16-M20S.PA	1
CG.EM.M20.BN.C.18.K50	M20	56 g	3.08 kg	20 ... 20.2	5.5	20	18	15	BP.NA.M16-M20S.PA	50
CG.EM.M25.BN.C.16.K01	M25	61 g	92 g	25 ... 25.2	6	25	22	18	BP.NA.M20-M25S.PA	1
CG.EM.M25.BN.C.16.K25	M25	61 g	1.68 kg	25 ... 25.2	6	25	22	18	BP.NA.M20-M25S.PA	25
CG.EM.M32.BN.C.19.K01	M32	116 g	174 g	32 ... 32.3	6	28	20	18	BP.NA.M25-M32S.PA	1
CG.EM.M32.BN.C.19.K15	M32	116 g	1.91 kg	32 ... 32.3	6	28	20	18	BP.NA.M25-M32S.PA	15
CG.EM.M40.BN.C.20.K01	M40	197 g	296 g	40 ... 40.3	15	56	50	45	BP.NA.M32-M40S.PA	1
CG.EM.M40.BN.C.20.K05	M40	197 g	1.08 kg	40 ... 40.3	15	56	50	45	BP.NA.M32-M40S.PA	5
CG.EM.M50.BN.C.20.K01	M50	332 g	498 g	50 ... 50.3	18	57	55	52	BP.NA.M40-M50S.PA	1
CG.EM.M50.BN.C.20.K05	M50	332 g	1.83 kg	50 ... 50.3	18	57	55	52	BP.NA.M40-M50S.PA	5

*Knn: scope of delivery see table technical data

Dimensions Metric - Stainless Steel

Type	Thread size	Clamping range [mm] seal insert combinations				Dimensions [mm]						UL
	TD	D	S1+S2+S3	S1+S2	S1	H	L	TL	D2	SW1	SW2	
CG.EM.M16.SS.C.16.*	M16	4 ... 8	-	4 ... 6	6 ... 8	30.5	46.5	16	22	20	20	-
CG.EM.M20.SS.C.18.*	M20	4 ... 12	4 ... 6	6 ... 9	9 ... 12	28.5	46.5	18	26.5	24	20	X
CG.EM.M25.SS.C.16.*	M25	10 ... 18	10 ... 12	12 ... 14.5	14.5 ... 18	32	48	16	31	28	28	X
CG.EM.M32.SS.C.19.*	M32	14 ... 24	14 ... 17	17 ... 20	20 ... 24	35	54	19	39	35	35	X
CG.EM.M40.SS.C.20.*	M40	22 ... 32	22 ... 24	24 ... 27	27 ... 32	42.5	62.5	20	49.5	45	45	X
CG.EM.M50.SS.C.20.*	M50	26 ... 35	26 ... 28	28 ... 31	31 ... 35	48.5	68.5	20	61	55	50	X

UL: X = UL approved

Details and Accessories Metric - Stainless Steel

Type	Thread size	Mass approx.		Diameter thru-hole [mm]	Nut torques [Nm] seal insert combinations				Sealing plugs	Delivery quantity
	TD	Component	Packaging unit	DT	SW1	SW2 S1+S2+S3	SW2 S1+S2	SW2 S1		
CG.EM.M16.SS.C.16.K01	M16	55 g	83 g	16 ... 16.2	4	-	25	18	BP.NA.M16-M20S.PA	1
CG.EM.M16.SS.C.16.K50	M16	55 g	3.03 kg	16 ... 16.2	4	-	25	18	BP.NA.M16-M20S.PA	50
CG.EM.M20.SS.C.18.K01	M20	55 g	85 g	20 ... 20.2	5.5	20	18	15	BP.NA.M16-M20S.PA	1
CG.EM.M20.SS.C.18.K50	M20	55 g	3.03 kg	20 ... 20.2	5.5	20	18	15	BP.NA.M16-M20S.PA	50
CG.EM.M25.SS.C.16.K01	M25	0.64 g	96 g	25 ... 25.2	6	25	22	18	BP.NA.M20-M25S.PA	1
CG.EM.M25.SS.C.16.K25	M25	0.64 g	1.76 kg	25 ... 25.2	6	25	22	18	BP.NA.M20-M25S.PA	25
CG.EM.M32.SS.C.19.K01	M32	126 g	189 g	32 ... 32.3	6	28	20	18	BP.NA.M25-M32S.PA	1
CG.EM.M32.SS.C.19.K15	M32	126 g	2.08 kg	32 ... 32.3	6	28	20	18	BP.NA.M25-M32S.PA	15
CG.EM.M40.SS.C.20.K01	M40	224 g	336 g	40 ... 40.3	15	56	50	45	BP.NA.M32-M40S.PA	1
CG.EM.M40.SS.C.20.K05	M40	224 g	1.23 kg	40 ... 40.3	15	56	50	45	BP.NA.M32-M40S.PA	5
CG.EM.M50.SS.C.20.K01	M50	330 g	495 g	50 ... 50.3	18	57	55	52	BP.NA.M40-M50S.PA	1
CG.EM.M50.SS.C.20.K05	M50	330 g	1.82 kg	50 ... 50.3	18	57	55	52	BP.NA.M40-M50S.PA	5

*Knn: scope of delivery see table technical data

Dimensions NPT - Brass Nickel-plated

Type	Thread size	Clamping range [mm] seal insert combinations				Dimensions [mm]						UL
	TD	D	S1+S2+S3	S1+S2	S1	H	L	TL	D2	SW1	SW2	
CG.EM.NPT3/8.BN.C.16.*	NPT 3/8"	4 ... 8	-	4 ... 6	6 ... 8	30.5	46.5	16	24.5	22	22	-
CG.EM.NPT1/2.BN.C.18.*	NPT 1/2"	4 ... 12	4 ... 6	6 ... 9	9 ... 12	28.5	46.5	18	26.5	24	22	X
CG.EM.NPT3/4.BN.C.16.*	NPT 3/4"	10 ... 18	10 ... 12	12 ... 14.5	14.5 ... 18	32.5	48.5	16	31	28	28	X
CG.EM.NPT1.BN.C.20.*	NPT 1"	14 ... 24	14 ... 17	17 ... 20	20 ... 24	35	55	20	39	35	35	X
CG.EM.NPT1-1/4.BN.C.20.*	NPT 1-1/4"	22 ... 32	22 ... 24	24 ... 27	27 ... 32	42.5	62.5	20	49.5	45	45	X
CG.EM.NPT1-1/2.BN.C.20.*	NPT 1-1/2"	26 ... 35	26 ... 28	28 ... 31	31 ... 35	45	65	20	61	55	50	X

UL: X = UL approved

Details and Accessories NPT - Brass Nickel-plated

Type	Thread size	Mass approx.		Diameter thru-hole [mm]	Nut torques [Nm] seal insert combinations				Sealing plugs	Delivery quantity
	TD	Component	Packaging unit	DT	SW1	SW2 S1+S2+S3	SW2 S1+S2	SW2 S1		
CG.EM.NPT3/8.BN.C.16.K01	NPT 3/8"	63 g	82 g	17.2 ... 17.4	4	-	25	18	BP.NA.M16-M20S.PA	1
CG.EM.NPT3/8.BN.C.16.K50	NPT 3/8"	63 g	3.47 kg	17.2 ... 17.4	4	-	25	18	BP.NA.M16-M20S.PA	50
CG.EM.NPT1/2.BN.C.18.K01	NPT 1/2"	55 g	70 g	21.4 ... 21.6	8	20	18	15	BP.NA.M16-M20S.PA	1
CG.EM.NPT1/2.BN.C.18.K50	NPT 1/2"	55 g	3.03 kg	21.4 ... 21.6	8	20	18	15	BP.NA.M16-M20S.PA	50
CG.EM.NPT3/4.BN.C.16.K01	NPT 3/4"	81 g	105 g	26.7 ... 26.9	10	25	22	18	BP.NA.M20-M25S.PA	1
CG.EM.NPT3/4.BN.C.16.K25	NPT 3/4"	81 g	2.23 kg	26.7 ... 26.9	10	25	22	18	BP.NA.M20-M25S.PA	25
CG.EM.NPT1.BN.C.20.K01	NPT 1"	135 g	176 g	33.5 ... 33.7	10	28	20	18	BP.NA.M25-M32S.PA	1
CG.EM.NPT1.BN.C.20.K15	NPT 1"	135 g	2.23 kg	33.5 ... 33.7	10	28	20	18	BP.NA.M25-M32S.PA	15
CG.EM.NPT1-1/4.BN.C.20.K01	NPT 1-1/4"	226 g	294 g	42.2 ... 42.4	10	56	50	45	BP.NA.M32-M40S.PA	1
CG.EM.NPT1-1/4.BN.C.20.K05	NPT 1-1/4"	226 g	1.24 kg	42.2 ... 42.4	10	56	50	45	BP.NA.M32-M40S.PA	5
CG.EM.NPT1-1/2.BN.C.20.K01	NPT 1-1/2"	311 g	404 g	48.3 ... 48.5	12	57	55	52	BP.NA.M40-M50S.PA	1
CG.EM.NPT1-1/2.BN.C.20.K05	NPT 1-1/2"	311 g	1.71 kg	48.3 ... 48.5	12	57	55	52	BP.NA.M40-M50S.PA	5

*Knn: scope of delivery see table technical data

Dimensions NPT - Stainless Steel

Type	Thread size	Clamping range [mm] seal insert combinations				Dimensions [mm]						UL
	TD	D	S1+S2+S3	S1+S2	S1	H	L	TL	D2	SW1	SW2	
CG.EM.NPT3/8.SS.C.16.*	NPT 3/8"	4 ... 8	-	4 ... 6	6 ... 8	30.5	46.5	16	24.5	22	22	-
CG.EM.NPT1/2.SS.C.18.*	NPT 1/2"	4 ... 12	4 ... 6	6 ... 9	9 ... 12	28.5	46.5	18	26.5	24	22	X
CG.EM.NPT3/4.SS.C.16.*	NPT 3/4"	10 ... 18	10 ... 12	12 ... 14.5	14.5 ... 18	32.5	48.5	16	31	28	28	X
CG.EM.NPT1.SS.C.20.*	NPT 1"	14 ... 24	14 ... 17	17 ... 20	20 ... 24	35	55	20	39	35	35	X
CG.EM.NPT1-1/4.SS.C.20.*	NPT 1-1/4"	22 ... 32	22 ... 24	24 ... 27	27 ... 32	42.5	62.5	20	49.5	45	45	X
CG.EM.NPT1-1/2.SS.C.20.*	NPT 1-1/2"	26 ... 35	26 ... 28	28 ... 31	31 ... 35	45	65	20	61	55	50	X

UL: X = UL approved

Details and Accessories NPT - Stainless Steel

Type	Thread size	Mass approx.		Diameter thru-hole [mm]	Nut torques [Nm] seal insert combinations				Sealing plugs	Delivery quantity
	TD	Component	Packaging unit	DT	SW1	SW2 S1+S2+S3	SW2 S1+S2	SW2 S1		
CG.EM.NPT3/8.SS.C.16.K01	NPT 3/8"	32 g	42 g	17.2 ... 17.4	4	-	25	18	BP.NA.M16-M20S.PA	1
CG.EM.NPT3/8.SS.C.16.K50	NPT 3/8"	32 g	1.76 g	17.2 ... 17.4	4	-	25	18	BP.NA.M16-M20S.PA	50
CG.EM.NPT1/2.SS.C.18.K01	NPT 1/2"	39 g	51 g	21.4 ... 21.6	8	20	18	15	BP.NA.M16-M20S.PA	1
CG.EM.NPT1/2.SS.C.18.K50	NPT 1/2"	39 g	2.15 kg	21.4 ... 21.6	8	20	18	15	BP.NA.M16-M20S.PA	50
CG.EM.NPT3/4.SS.C.16.K01	NPT 3/4"	43 g	56 g	26.7 ... 26.9	10	25	22	18	BP.NA.M20-M25S.PA	1
CG.EM.NPT3/4.SS.C.16.K25	NPT 3/4"	43 g	1.18 kg	26.7 ... 26.9	10	25	22	18	BP.NA.M20-M25S.PA	25
CG.EM.NPT1.SS.C.20.K01	NPT 1"	88 g	114 g	33.5 ... 33.7	10	28	20	18	BP.NA.M25-M32S.PA	1
CG.EM.NPT1.SS.C.20.K15	NPT 1"	88 g	1.45 kg	33.5 ... 33.7	10	28	20	18	BP.NA.M25-M32S.PA	15
CG.EM.NPT1-1/4.SS.C.20.K01	NPT 1-1/4"	113 g	147 g	42.2 ... 42.4	10	56	50	45	BP.NA.M32-M40S.PA	1
CG.EM.NPT1-1/4.SS.C.20.K05	NPT 1-1/4"	113 g	620 g	42.2 ... 42.4	10	56	50	45	BP.NA.M32-M40S.PA	5
CG.EM.NPT3/8.SS.C.16.K01	NPT 3/8"	32 g	42 g	17.2 ... 17.4	4	-	25	18	BP.NA.M16-M20S.PA	1
CG.EM.NPT3/8.SS.C.16.K50	NPT 3/8"	32 g	1.76 g	17.2 ... 17.4	4	-	25	18	BP.NA.M16-M20S.PA	50

*Knn: scope of delivery see table technical data



Cable Glands, Metal, for armored Cables

CG.AR.*.*.*

- For armored cables
- Brass nickel-plated or stainless steel
- Metric and NPT versions available
- Ex d, Ex e and Ex tb certified
- Suitable for operation in Zone 1, Zone 2, Zone 21 and Zone 22
- Suitable for operation in Class I, Zone 1/2/22
- Suitable for operation in Class I, Division 2 when installed in accordance with NEC501.10(B)(2)
- Degree of protection IP66 / IP68, UL Type 4X



Function

The metal cable glands type CG.AR can be used indoor and outdoor in Zone 1, Zone 2, Zone 21 and Zone 22 hazardous areas. They are intended for use with armored cables providing a combined flameproof seal and environmental seal on the outer and inner sheath of the cable. Typical armors which can be clamped are steel wire armor (SWA), steel wire braided (SWB), steel tape armor (STA), pliable wire armor (PWA) and aluminum wire armor (AWA).

Technical Data

Mechanical specifications

Cable type	armored cables
Clamping range (D)	see data table
Thread type	metric ISO pitch 1.5 mm or NPT ANSI ASME B1.20.1
Thread size (TD)	see data table
Degree of protection	IP66 / IP68 , UL Type 4X
Material	
Finish	inherent color silver
Cable gland	brass nickel-plated or AISI 316 (1.4401) stainless steel
Washer gasket	aramid fibers bonded with NBR
O-Ring	chloroprene / neoprene or silicone
Seal insert	chloroprene / neoprene or silicone
Mass	see data table
Dimensions	see data table

Ambient conditions

Ambient temperature	chloroprene seal: -40 ... 80 °C (-40 ... 176 °F) silicone seal: -60 ... 100 °C (-76 ... 212 °F) washer gasket: -50 ... 80 °C (-58 ... 176 °F) Service temperature might be limited by the use of sealing plugs or washer gaskets.
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Data for application in connection with hazardous areas

EU-type examination certificate	CESI 14 ATEX 033X
Marking	Ⓔ II 2 GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db

International approvals

UL approval	
cULus	E490324 tested to UL 514B E490962 tested to UL 2225 CSA 60079-7 , CSA 60079-31
IECEx approval	IECEx CES 14.0022X

Technical Data

UKCA approval	CML 22 UKEX 1266X
INMETRO approval	DNV 20.0028 X
CCoE approval	PESO A/P/HQ/KA/104/5575 (P418742)
IA approval	MASC MS/17-2357X
CCC approval	2021312313000346
Conformity	
Degree of protection	EN 60529
CE marking	0102
General information	
Scope of delivery	K01 - metric variants, individual component: Cable gland , washer gasket , locknut , Earth tag , shroud PVC , Brief instructions K01 - NPT variants, individual component: Cable gland , shroud PVC , Brief instructions Knn - packing unit with multiple components: Cable glands , Brief instructions (1 copy)
Supplementary information	EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable.

Type Code

1	2	3	4	5	6	7
CG	AR	***	**	*	**	K**
CG	AR	M20	SS	C	16	K01

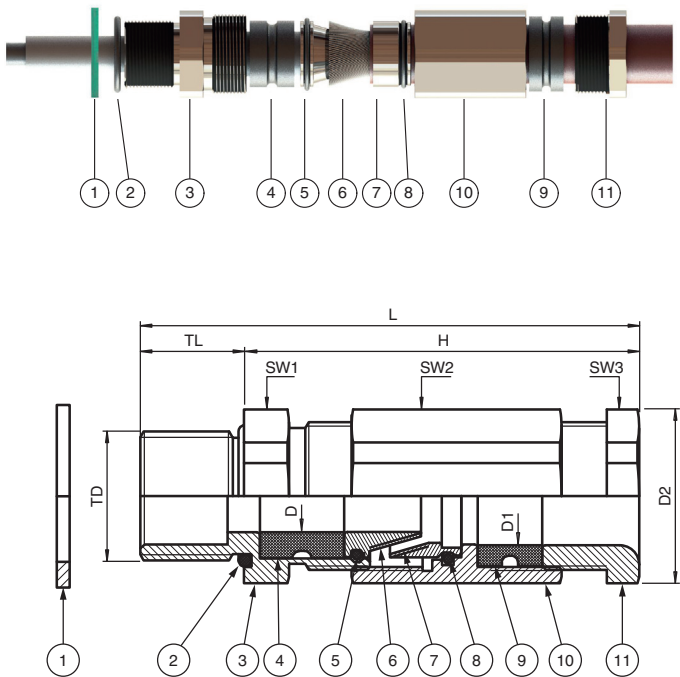
Example: CG.AR.M20.SS.C.16.K01

Cable gland metal, for armored cables, thread size M20, body stainless steel, chloroprene seals for -40 °C ... 80 °C, installation thread length 16 mm, one piece

1	Series
CG	cable glands
2	Type
AR	metal, for armored cables
3	Thread, type and size
M*	metric ISO pitch 1.5; sizes see dimensions data table
NPT*	NPT ANSI ASME B1.20.1; sizes see dimensions data table
4	Material
BN	brass nickel-plated
SS	stainless steel
5	Material seals / O-Ring
C	chloroprene / neoprene
S	silicone
6	Thread length for installation in enclosure
**	length in mm
7	Packaging unit
	units not packaged, for use in Pepperl+Fuchs Solution Engineering Centers
K**	units quantity per package

Dimensions

Legend	
1	Washer gasket (accessory)
2	O-Ring
3	Gland body basis
4	Inner seal insert for cable without armor
5	O-ring
6	Armor cone
7	Armor tightening ring
8	O-ring
9	Outer seal insert for cable including armor
10	Gland body
11	Pressure nut
D	Clamping range, cable diameter without armor at inner seal insert
D1	Clamping range, cable sheath diameter with armor at outer seal insert
D2	Width across corners
H	Length outside enclosure
L	Total length
SW*	Width across flats
TD	Thread size
TL	Thread length



Dimensions Metric - Brass Nickel-plated

Type	Thread size	Clamping range [mm]		Armor thickness [mm]		Dimensions [mm]							UL
	TD	D	D1	min.	max.	H	L	TL	D2	SW1	SW2	SW3	
CG.AR.M16.BN.C.16.*	M16	6 ... 11	8 ... 15	0.4	1.3	63.5	79.5	16	27	25	25	25	-
CG.AR.M20.BN.C.16.*	M20	6 ... 11	8 ... 15	0.4	1.3	63.5	79.5	16	27	25	25	25	X
CG.AR.M20L.BN.C.16.*	M20	10 ... 15.5	13.5 ... 21	0.4	1.3	66.5	82.5	16	33	30	30	30	X
CG.AR.M25S.BN.C.16.*	M25	6 ... 11	8 ... 15	0.4	1.3	63.5	79	16	33	30	25	25	X
CG.AR.M25.BN.C.16.*	M25	10 ... 15.5	13.5 ... 21	0.4	1.3	66	82	16	33	30	30	30	X
CG.AR.M25L.BN.C.16.*	M25	13.5 ... 20.5	18 ... 27	0.4	1.6	82.5	98.5	16	44.5	40	40	40	X
CG.AR.M32.BN.C.16.*	M32	13.5 ... 21	18 ... 27	0.4	1.6	82.5	98.5	16	44.5	40	40	40	X
CG.AR.M32L.BN.C.16.*	M32	18 ... 27	23 ... 33	0.4	1.6	85	101	16	47	43	43	43	X
CG.AR.M40.BN.C.16.*	M40	23 ... 33	29 ... 40	0.6	2	97	113	16	55.5	50	50	50	X
CG.AR.M50.BN.C.16.*	M50	29 ... 41	35 ... 48	0.6	2.5	105.5	121.5	16	64	58	58	58	X
CG.AR.M63.BN.C.20.*	M63	35 ... 48	42 ... 56	0.6	2.5	134	154	20	83	75	75	75	X

UL: X = UL approved

Details and Accessories Metric - Brass Nickel-plated

Type	Thread size	Mass approx.		Diameter thru-hole [mm]	Nut torques [Nm]			Delivery quantity
	TD	Component	Packaging unit	DT	SW1	SW2	SW3	
CG.AR.M16.BN.C.16.K01	M16	134 g	174 g	16 ... 16.2	4	35	25	1
CG.AR.M16.BN.C.16.K15	M16	134 g	2.21 kg	16 ... 16.2	4	35	25	15
CG.AR.M20.BN.C.16.K01	M20	139 g	178 g	20 ... 20.2	6	35	25	1
CG.AR.M20.BN.C.16.K15	M20	139 g	2.29 kg	20 ... 20.2	6	35	25	15
CG.AR.M20L.BN.C.16.K01	M20	178 g	231 g	20 ... 20.2	6	45	35	1
CG.AR.M20L.BN.C.16.K15	M20	178 g	2.94 kg	20 ... 20.2	6	45	35	15
CG.AR.M25S.BN.C.16.K01	M25	225 g	293 g	25 ... 25.2	6	35	25	1
CG.AR.M25S.BN.C.16.K10	M25	225 g	2.48 kg	25 ... 25.2	6	35	25	10
CG.AR.M25.BN.C.16.K01	M25	233 g	303 g	25 ... 25.2	6	45	35	1
CG.AR.M25.BN.C.16.K10	M25	233 g	2.56 kg	25 ... 25.2	6	45	35	10
CG.AR.M25L.BN.C.16.K01	M25	243 g	443 g	25 ... 25.2	6	55	30	1
CG.AR.M25L.BN.C.16.K10	M25	243 g	2.67 kg	25 ... 25.2	6	55	30	10
CG.AR.M32.BN.C.16.K01	M32	400 g	472 g	32 ... 32.3	6	55	30	1
CG.AR.M32.BN.C.16.K10	M32	400 g	4.4 kg	32 ... 32.3	6	55	30	10
CG.AR.M32L.BN.C.16.K01	M32	370 g	481 g	32 ... 32.3	6	75	55	1
CG.AR.M32L.BN.C.16.K10	M32	370 g	4.07 kg	32 ... 32.3	6	75	55	10
CG.AR.M40.BN.C.16.K01	M40	644 g	837 g	40 ... 40.3	12	85	65	1
CG.AR.M40.BN.C.16.K05	M40	644 g	3.54 kg	40 ... 40.3	12	85	65	5
CG.AR.M50.BN.C.16.K01	M50	715 g	930 g	50 ... 50.3	18	95	75	1
CG.AR.M50.BN.C.16.K02	M50	715 g	1.57 kg	50 ... 50.3	18	95	75	2
CG.AR.M63.BN.C.20.K01	M63	1.82 kg	2.36 kg	63 ... 63.3	25	105	85	1
CG.AR.M63.BN.C.20.K02	M63	1.82 kg	4 kg	63 ... 63.3	25	105	85	2

*Knn: scope of delivery see table technical data

Dimensions Metric - Stainless Steel

Type	Thread size	Clamping range [mm]		Armor thickness [mm]		Dimensions [mm]							UL
	TD	D	D1	min.	max.	H	L	TL	D2	SW1	SW2	SW3	
CG.AR.M16.SS.C.16.*	M16	6 ... 11	8 ... 15	0.4	1.3	63.5	79.5	16	27	25	25	25	-
CG.AR.M20.SS.C.16.*	M20	6 ... 11	8 ... 15	0.4	1.3	63.5	79.5	16	27	25	25	25	X
CG.AR.M20L.SS.C.16.*	M20	10 ... 15.5	13.5 ... 21	0.4	1.3	66.5	82.5	16	33	30	30	30	X
CG.AR.M25S.SS.C.16.*	M25	6 ... 11	8 ... 15	0.4	1.3	63.5	79	16	33	30	25	25	X
CG.AR.M25.SS.C.16.*	M25	10 ... 15.5	13.5 ... 21	0.4	1.3	66	82	16	33	30	30	30	X
CG.AR.M25L.SS.C.16.*	M25	13.5 ... 20.5	18 ... 27	0.4	1.6	82.5	98.5	16	44.5	40	40	40	X
CG.AR.M32.SS.C.16.*	M32	13.5 ... 21	18 ... 27	0.4	1.6	82.5	98.5	16	44.5	40	40	40	X
CG.AR.M32L.SS.C.16.*	M32	18 ... 27	23 ... 33	0.4	1.6	85	101	16	47	43	43	43	X
CG.AR.M40.SS.C.16.*	M40	23 ... 33	29 ... 40	0.6	2	97	113	16	55.5	50	50	50	X
CG.AR.M50.SS.C.16.*	M50	29 ... 41	35 ... 48	0.6	2.5	105.5	121.5	16	64	58	58	58	X
CG.AR.M63.SS.C.20.*	M63	35 ... 48	42 ... 56	0.6	2.5	134	154	20	83	75	75	75	X

UL: X = UL approved

Details and Accessories Metric - Stainless Steel

Type	Thread size	Mass approx.		Diameter thru-hole [mm]	Nut torques [Nm]			Delivery quantity
	TD	Component	Packaging unit	DT	SW1	SW2	SW3	
CG.AR.M16.SS.C.16.K01	M16	134 g	174 g	16 ... 16.2	4	35	25	1
CG.AR.M16.SS.C.16.K15	M16	134 g	2.21 kg	16 ... 16.2	4	35	25	15
CG.AR.M20.SS.C.16.K01	M20	121 g	178 g	20 ... 20.2	6	35	25	1
CG.AR.M20.SS.C.16.K15	M20	121 g	2 kg	20 ... 20.2	6	35	25	15
CG.AR.M20L.SS.C.16.K01	M20	170 g	221 g	20 ... 20.2	6	45	35	1
CG.AR.M20L.SS.C.16.K15	M20	170 g	2.81 kg	20 ... 20.2	6	45	35	15
CG.AR.M25S.SS.C.16.K01	M25	230 g	299 g	25 ... 25.2	6	35	25	1
CG.AR.M25S.SS.C.16.K10	M25	230 g	2.53 kg	25 ... 25.2	6	35	25	10
CG.AR.M25.SS.C.16.K01	M25	234 g	304 g	25 ... 25.2	6	45	35	1
CG.AR.M25.SS.C.16.K10	M25	234 g	2.57 kg	25 ... 25.2	6	45	35	10
CG.AR.M25L.SS.C.16.K01	M25	356 g	442 g	25 ... 25.2	6	55	30	1
CG.AR.M25L.SS.C.16.K10	M25	356 g	3.92 kg	25 ... 25.2	6	55	30	10
CG.AR.M32.SS.C.16.K01	M32	410 g	533 g	32 ... 32.3	6	55	30	1
CG.AR.M32.SS.C.16.K10	M32	410 g	4.51 kg	32 ... 32.3	6	55	30	10
CG.AR.M32L.SS.C.16.K01	M32	400 g	520 g	32 ... 32.3	6	75	55	1
CG.AR.M32L.SS.C.16.K10	M32	400 g	4.4 kg	32 ... 32.3	6	75	55	10
CG.AR.M40.SS.C.16.K01	M40	640 g	832 g	40 ... 40.3	12	85	65	1
CG.AR.M40.SS.C.16.K10	M40	640 g	7.04 kg	40 ... 40.3	12	85	65	10
CG.AR.M50.SS.C.16.K01	M50	715 g	930 g	50 ... 50.3	18	95	75	1
CG.AR.M50.SS.C.16.K02	M50	715 g	1.57 kg	50 ... 50.3	18	95	75	2
CG.AR.M63.SS.C.20.K01	M63	1.96 kg	2.55 kg	63 ... 63.3	25	105	85	1
CG.AR.M63.SS.C.20.K02	M63	1.96 kg	4.32 kg	63 ... 63.3	25	105	85	2

*Knn: scope of delivery see table technical data

Dimensions NPT - Brass Nickel-plated

Type	Thread size	Clamping range [mm]		Armor thickness [mm]		Dimensions [mm]							UL
	TD	D	D1	min.	max.	H	L	TL	D2	SW1	SW2	SW3	
CG.AR.NPT3/8.BN.C.16.*	NPT 3/8"	6 ... 11	8 ... 15	0.4	1.3	63.5	79.5	16	27	25	25	25	-
CG.AR.NPT1/2.BN.C.21.*	NPT 1/2"	6 ... 11	8 ... 15	0.4	1.3	63.5	79.5	21	27	25	25	25	X
CG.AR.NPT1/2L.BN.C.21.*	NPT 1/2"	10 ... 15.5	13.5 ... 21	0.4	1.3	66	87	21	33	30	30	30	X
CG.AR.NPT3/4S.BN.C.21.*	NPT 3/4"	6 ... 11	8 ... 15	0.4	1.3	63.5	84.5	21	33	30	25	25	X
CG.AR.NPT3/4.BN.C.21.*	NPT 3/4"	10 ... 15.5	13.5 ... 21	0.4	1.3	66	87	21	33	30	30	30	X
CG.AR.NPT3/4L.BN.C.21.*	NPT 3/4"	13.5 ... 20.5	18 ... 27	0.4	1.6	82.5	103.5	21	44.5	40	40	40	X
CG.AR.NPT1.BN.C.26.*	NPT 1"	13.5 ... 21	18 ... 27	0.4	1.6	82.5	108.5	26	44.5	40	40	40	X
CG.AR.NPT1L.BN.C.26.*	NPT 1"	18 ... 27	23 ... 33	0.4	1.6	85	111	26	47	43	43	43	X
CG.AR.NPT1-1/4.BN.C.28.*	NPT 1-1/4"	23 ... 33	29 ... 40	0.6	2	97	125	28	55.5	50	50	50	X
CG.AR.NPT1-1/2.BN.C.28.*	NPT 1-1/2"	29 ... 41	35 ... 48	0.6	2.5	105.5	133.5	28	64	58	58	58	X
CG.AR.NPT2.BN.C.28.*	NPT 2"	35 ... 48	42 ... 56	0.6	2.5	134	162	28	83	75	75	75	X

UL: X = UL approved

Details and Accessories NPT - Brass Nickel-plated

Type	Thread size	Mass approx.		Diameter thru-hole [mm]	Nut torques [Nm]			Delivery quantity
	TD	Component	Packaging unit	DT	SW1	SW2	SW3	
CG.AR.NPT3/8.BN.C.16.K01	NPT 3/8"	143 g	172 g	17.2 ... 17.4	4	35	25	1
CG.AR.NPT3/8.BN.C.16.K15	NPT 3/8"	143 g	2.36 kg	17.2 ... 17.4	4	35	25	15
CG.AR.NPT1/2.BN.C.21.K01	NPT 1/2"	151 g	177 g	21.4 ... 21.6	6	35	25	1
CG.AR.NPT1/2.BN.C.21.K15	NPT 1/2"	149 g	2.46 kg	21.4 ... 21.6	6	35	25	15
CG.AR.NPT1/2L.BN.C.21.K01	NPT 1/2"	191 g	234 g	21.4 ... 21.6	6	45	35	1
CG.AR.NPT1/2L.BN.C.21.K15	NPT 1/2"	191 g	3.15 kg	21.4 ... 21.6	6	45	35	15
CG.AR.NPT3/4S.BN.C.21.K01	NPT 3/4"	193 g	227 g	26.7 ... 26.9	6	35	25	1
CG.AR.NPT3/4S.BN.C.21.K10	NPT 3/4"	193 g	2.12 kg	26.7 ... 26.9	6	35	25	10
CG.AR.NPT3/4.BN.C.21.K01	NPT 3/4"	195 g	234 g	26.7 ... 26.9	6	45	35	1
CG.AR.NPT3/4.BN.C.21.K10	NPT 3/4"	195 g	2.15 kg	26.7 ... 26.9	6	45	35	10
CG.AR.NPT3/4L.BN.C.21.K01	NPT 3/4"	367 g	442 g	26.7 ... 26.9	6	55	30	1
CG.AR.NPT3/4L.BN.C.21.K10	NPT 3/4"	367 g	4.04 kg	26.7 ... 26.9	6	55	30	10
CG.AR.NPT1.BN.C.26.K01	NPT 1"	355 g	426 g	33.5 ... 33.7	6	55	30	1
CG.AR.NPT1.BN.C.26.K10	NPT 1"	355 g	3.91 kg	33.5 ... 33.7	6	55	30	10
CG.AR.NPT1L.BN.C.26.K01	NPT 1"	358 g	459 g	33.5 ... 33.7	6	75	55	1
CG.AR.NPT1L.BN.C.26.K10	NPT 1"	358 g	3.94 kg	33.5 ... 33.7	6	75	55	10
CG.AR.NPT1-1/4.BN.C.28.K01	NPT 1-1/4"	474 g	690 g	42.2 ... 42.4	12	85	65	1
CG.AR.NPT1-1/4.BN.C.28.K05	NPT 1-1/4"	474 g	2.61 g	42.2 ... 42.4	12	85	65	5
CG.AR.NPT1-1/2.BN.C.28.K01	NPT 1-1/2"	605 g	841 g	48.3 ... 48.5	18	95	75	1
CG.AR.NPT1-1/2.BN.C.28.K02	NPT 1-1/2"	605 g	1.33 kg	48.3 ... 48.5	18	95	75	2
CG.AR.NPT2.BN.C.28.K01	NPT 2"	705 g	846 g	60.4 ... 60.7	25	105	85	1
CG.AR.NPT2.BN.C.28.K02	NPT 2"	705 g	1.55 g	60.4 ... 60.7	25	105	85	2

*Knn: scope of delivery see table technical data

Dimensions NPT - Stainless Steel

Type	Thread size	Clamping range [mm]		Armor thickness [mm]		Dimensions [mm]							UL
	TD	D	D1	min.	max.	H	L	TL	D2	SW1	SW2	SW3	
CG.AR.NPT3/8.SS.C.16.*	NPT 3/8"	6 ... 11	8 ... 15	0.4	1.3	63.5	79.5	16	27	25	25	25	-
CG.AR.NPT1/2.SS.C.21.*	NPT 1/2"	6 ... 11	8 ... 15	0.4	1.3	63.5	79.5	21	27	25	25	25	X
CG.AR.NPT1/2L.SS.C.21.*	NPT 1/2"	10 ... 15.5	13.5 ... 21	0.4	1.3	66	87	21	33	30	30	30	X
CG.AR.NPT3/4S.SS.C.21.*	NPT 3/4"	6 ... 11	8 ... 15	0.4	1.3	63.5	84.5	21	33	30	25	25	X
CG.AR.NPT3/4.SS.C.21.*	NPT 3/4"	10 ... 15.5	13.5 ... 21	0.4	1.3	66	87	21	33	30	30	30	X
CG.AR.NPT3/4L.SS.C.21.*	NPT 3/4"	13.5 ... 20.5	18 ... 27	0.4	1.6	82.5	103.5	21	44.5	40	40	40	X
CG.AR.NPT1.SS.C.26.*	NPT 1"	13.5 ... 21	18 ... 27	0.4	1.6	82.5	108.5	26	44.5	40	40	40	X
CG.AR.NPT1L.SS.C.26.*	NPT 1"	18 ... 27	23 ... 33	0.4	1.6	85	111	26	47	43	43	43	X
CG.AR.NPT1-1/4.SS.C.28.*	NPT 1-1/4"	23 ... 33	29 ... 40	0.6	2	97	125	28	55.5	50	50	50	X
CG.AR.NPT1-1/2.SS.C.28.*	NPT 1-1/2"	29 ... 41	35 ... 48	0.6	2.5	105.5	133.5	28	64	58	58	58	X
CG.AR.NPT2.SS.C.28.*	NPT 2"	35 ... 48	42 ... 56	0.6	2.5	134	162	28	83	75	75	75	X

UL: X = UL approved

Details and Accessories NPT - Stainless Steel

Type	Thread size	Mass approx.		Diameter thru-hole [mm]	Nut torques [Nm]			Delivery quantity
	TD	Component	Packaging unit	DT	SW1	SW2	SW3	
CG.AR.NPT3/8.SS.C.16.K01	NPT 3/8"	144 g	173 g	17.2 ... 17.4	4	35	25	1
CG.AR.NPT3/8.SS.C.16.K15	NPT 3/8"	144 g	2.38 kg	17.2 ... 17.4	4	35	25	15
CG.AR.NPT1/2.SS.C.21.K01	NPT 1/2"	141 g	169 g	21.4 ... 21.6	6	35	25	1
CG.AR.NPT1/2.SS.C.21.K15	NPT 1/2"	141 g	2.33 kg	21.4 ... 21.6	6	35	25	15
CG.AR.NPT1/2L.SS.C.21.K01	NPT 1/2"	192 g	230 g	21.4 ... 21.6	6	45	35	1
CG.AR.NPT1/2L.SS.C.21.K15	NPT 1/2"	192 g	3.17 kg	21.4 ... 21.6	6	45	35	15
CG.AR.NPT3/4S.SS.C.21.K01	NPT 3/4"	235 g	282 g	26.7 ... 26.9	6	35	25	1
CG.AR.NPT3/4S.SS.C.21.K10	NPT 3/4"	235 g	2.59 kg	26.7 ... 26.9	6	35	25	10
CG.AR.NPT3/4.SS.C.21.K01	NPT 3/4"	231 g	277 g	26.7 ... 26.9	6	45	35	1
CG.AR.NPT3/4.SS.C.21.K10	NPT 3/4"	231 g	2.54 kg	26.7 ... 26.9	6	45	35	10
CG.AR.NPT3/4L.SS.C.21.K01	NPT 3/4"	225 g	270 g	26.7 ... 26.9	6	55	30	1
CG.AR.NPT3/4L.SS.C.21.K10	NPT 3/4"	225 g	2.48 kg	26.7 ... 26.9	6	55	30	10
CG.AR.NPT1.SS.C.26.K01	NPT 1"	464 g	557 g	33.5 ... 33.7	6	55	30	1
CG.AR.NPT1.SS.C.26.K10	NPT 1"	464 g	5.1 kg	33.5 ... 33.7	6	55	30	10
CG.AR.NPT1L.SS.C.26.K01	NPT 1"	433 g	520 g	33.5 ... 33.7	6	75	55	1
CG.AR.NPT1L.SS.C.26.K10	NPT 1"	433 g	4.76 kg	33.5 ... 33.7	6	75	55	10
CG.AR.NPT1-1/4.SS.C.28.K01	NPT 1-1/4"	633 g	760 g	42.2 ... 42.4	12	85	65	1
CG.AR.NPT1-1/4.SS.C.28.K05	NPT 1-1/4"	633 g	3.48 kg	42.2 ... 42.4	12	85	65	5
CG.AR.NPT1-1/2.SS.C.28.K01	NPT 1-1/2"	722 g	866 g	48.3 ... 48.5	18	95	75	1
CG.AR.NPT1-1/2.SS.C.28.K02	NPT 1-1/2"	722 g	1.59 kg	48.3 ... 48.5	18	95	75	2
CG.AR.NPT2.SS.C.28.K01	NPT 2"	1.96 kg	2.35 kg	60.4 ... 60.7	25	105	85	1
CG.AR.NPT2.SS.C.28.K02	NPT 2"	1.96 kg	4.32 kg	60.4 ... 60.7	25	105	85	2

*Knn: scope of delivery see table technical data



Cable Glands, Metal, for Flexible Conduits

CG.CO.*.*.*

- For cables without armor
- Brass nickel-plated or stainless steel
- Metric and NPT versions available
- Ex db, Ex eb and Ex tb certified
- Suitable for operation in Zone 1, Zone 2, Zone 21 and Zone 22
- Connection of flexible metallic conduits



Function

The metal cable glands type CG.CO can be used indoor and outdoor in Zone 1, Zone 2, Zone 21 and Zone 22 hazardous areas. They are intended for use with non-armored cables which are protected in flexible metallic conduits.

Technical Data

Mechanical specifications

Cable type	non-armored cables in flexible conduit
Clamping range (D)	see data table
Thread type	metric ISO pitch 1.5 mm or NPT ANSI ASME B1.20.1
Thread size (TD)	see data table
Degree of protection	IP66 / IP68
Material	
Finish	inherent color silver
Cable gland	brass nickel-plated or AISI 316 (1.4401) stainless steel
Washer gasket	aramid fibers bonded with NBR
O-Ring	chloroprene / neoprene or silicone
Seal insert	chloroprene / neoprene or silicone
Mass	see data table
Dimensions	see data table

Ambient conditions

Ambient temperature	Ex eb and Ex tb versions: chloroprene seal: -40 ... 80 °C (-40 ... 176 °F) silicone seal: -60 ... 140 °C (-76 ... 284 °F) washer gasket: -50 ... 80 °C (-58 ... 176 °F) Ex db versions: chloroprene seal: -40 ... 80 °C (-40 ... 176 °F) silicone seal: -60 ... 80 °C (-76 ... 176 °F) washer gasket: -50 ... 80 °C (-58 ... 176 °F) Service temperature might be limited by the use of sealing plugs or washer gaskets.
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Data for application in connection with hazardous areas

EU-type examination certificate	IMQ 14 ATEX 012X
Marking	Ⓔ II 2 GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db

International approvals

IECEx approval	IECEx IMQ 14.0004X
UKCA approval	CML 21 UKEX 11380X
INMETRO approval	DNV 20.0029 X

Technical Data

CCC approval		2021312313000344
Conformity		
Degree of protection		EN 60529
CE marking		0102
General information		
Scope of delivery		K01 - metric variants, individual component: Cable gland , washer gasket , locknut , Earth tag , Brief instructions K01 - NPT variants, individual component: Cable gland , Brief instructions Knn - packing unit with multiple components: Cable glands , Brief instructions (1 copy)
Supplementary information		EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable.

Type Code

1		2		3		4		5		6		7
CG	.	CO	.	***	.	**	.	*	.	**	.	K**
CG	.	CO	.	M20	.	BN	.	C	.	16	.	K01

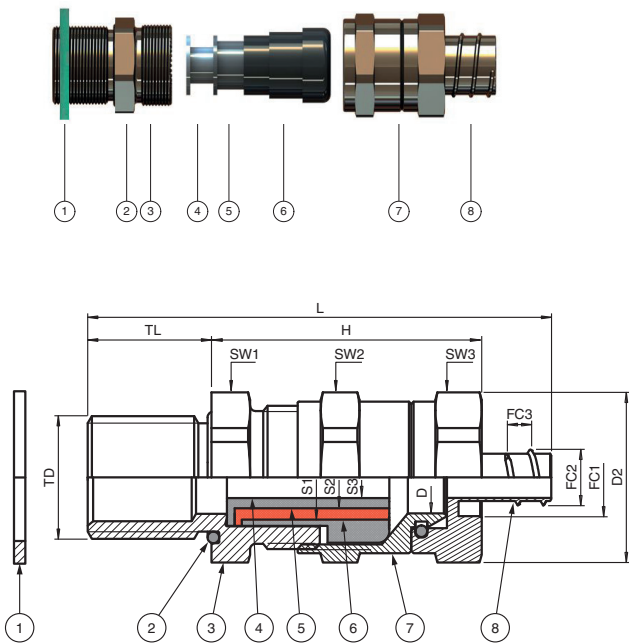
Example: CG.CO.M20.BN.C.16.K01

Cable gland metal, for flexible metallic conduits, thread size M20, body brass nickel-plated, chloroprene seals for -40 °C ... 80 °C, installation thread length 16 mm, one piece

1	Series
CG	cable glands
2	Type
CO	metal, for non-armored cables in flexible metallic conduits
3	Thread, type and size
M*	metric ISO pitch 1.5; sizes see dimensions data table
NPT*	NPT ANSI ASME B1.20.1; sizes see dimensions data table
4	Material
BN	brass nickel-plated
SS	stainless steel
5	Material seals / O-Ring
C	chloroprene / neoprene
S	silicone
6	Thread length for installation in enclosure
**	length in mm
7	Packaging unit
	units not packaged, for use in Pepperl+Fuchs Solution Engineering Centers
K**	units quantity per package

Dimensions

Legend	
1	Washer gasket (accessory)
2	O-Ring
3	Gland body basis
4	Seal insert S3
5	Seal insert S2
6	Seal insert S1
7	Connection body
8	Connection for flexible conduit
D	Clamping range, cable sheath diameter
D2	Width across corners
FC1	Flexible conduit, max. outer diameter
FC2	Flexible conduit, inner diameter
FC3	Flexible conduit, corrugation size
H	Length outside enclosure
L	Total length
S*	Clamping range, seal insert combinations
SW*	Width across flats
TD	Thread size
TL	Thread length



Dimensions Metric - Brass Nickel-plated

Type	Thread size	Clamping range [mm] seal insert combinations				Dimensions [mm]						
	TD	D	S1+S2+S3	S1+S2	S1	H	L	TL	D2	SW1	SW2	SW3
CG.CO.M16S.BN.C.16.*	M16	3 ... 9	-	3 ... 6	6 ... 9	36	61	16	22	20	20	20
CG.CO.M16.BN.C.16.*	M16	4 ... 12	4 ... 6	6 ... 9	9 ... 12	43	72	16	26.5	22	24	24
CG.CO.M20.BN.C.16.*	M20	4 ... 12	4 ... 6	6 ... 9	9 ... 12	39	68	16	26.5	22	24	24
CG.CO.M25.BN.C.16.*	M25	10 ... 18	10 ... 12	12 ... 14.5	14.5 ... 18	42	73	16	31.5	28	29	29
CG.CO.M32.BN.C.16.*	M32	14 ... 24	14 ... 17	17 ... 20	20 ... 24	46	82	16	39.8	35	36	36
CG.CO.M40.BN.C.18.*	M40	22 ... 32	22 ... 24	24 ... 27	27 ... 32	54	92	18	50	45	45	45
CG.CO.M50.BN.C.18.*	M50	26 ... 35	26 ... 28	28 ... 31	31 ... 35	59.5	98	18	61	55	52	52
CG.CO.M63.BN.C.18.*	M63	35 ... 45	35 ... 38	38 ... 41	41 ... 45	58.5	96.5	18	75	68	65	65
CG.CO.M75.BN.C.20.*	M75	46 ... 59	46 ... 51	51 ... 57	57 ... 59	69	111	20	89	80	80	80

Details and Accessories Metric - Brass Nickel-plated

Type	Thread size	Mass approx.		Diameter thru-hole [mm]	Flexible conduit [mm]			Nut torques [Nm] seal insert combinations				Delivery quantity
	TD	Component	Packaging unit	DT	FC1	FC2	FC3	SW1	SW2 S1+S2+S3	SW2 S1+S2	SW2 S1	
CG.CO.M16S.BN.C.16.K01	M16	64 g	86 g	16 ... 16.2	10	6.1	3.3	4	#NV	25	18	1
CG.CO.M16.BN.C.16.K01	M16	70 g	95 g	16 ... 16.2	22.2	15	4.5	4	20	18	16	1
CG.CO.M16.BN.C.16.K15	M16	70 g	1.16 kg	16 ... 16.2	22.2	15	4.5	4	20	18	16	15
CG.CO.M20.BN.C.16.K01	M20	88 g	112 g	20 ... 20.2	22.2	15	4.5	5.5	20	18	15	1
CG.CO.M20.BN.C.16.K15	M20	88 g	1.45 kg	20 ... 20.2	22.2	15	4.5	5.5	20	18	15	15
CG.CO.M25.BN.C.16.K01	M25	100 g	145 g	25 ... 25.2	27.5	20	4.5	6	25	22	18	1
CG.CO.M25.BN.C.16.K10	M25	100 g	1.1 kg	25 ... 25.2	27.5	20	4.5	6	25	22	18	10
CG.CO.M32.BN.C.16.K01	M32	126 g	170 g	32 ... 32.3	34.5	25.7	6	6	28	23	20	1
CG.CO.M32.BN.C.16.K10	M32	126 g	1.39 kg	32 ... 32.3	34.5	25.7	6	6	28	23	20	10
CG.CO.M40.BN.C.18.K01	M40	141 g	190 g	40 ... 40.3	43	34.2	6	12	56	50	45	1
CG.CO.M40.BN.C.18.K05	M40	141 g	780 g	40 ... 40.3	43	34.2	6	12	56	50	45	5
CG.CO.M50.BN.C.18.K01	M50	352 g	475 g	50 ... 50.3	49.5	39.2	6	18	57	55	52	1
CG.CO.M50.BN.C.18.K02	M50	352 g	770 g	50 ... 50.3	49.5	39.2	6	18	57	55	52	2
CG.CO.M63.BN.C.18.K01	M63	468 g	632 g	63 ... 63.3	62.5	50	6	25	190	155	140	1
CG.CO.M63.BN.C.18.K02	M63	468 g	1.03 kg	63 ... 63.3	62.5	50	6	25	190	155	140	2
CG.CO.M75.BN.C.20.K01	M75	885 g	1.19 kg	75 ... 75.3	75	61.6	6.5	30	185	175	150	1
CG.CO.M75.BN.C.20.K02	M75	885 g	1.95 g	75 ... 75.3	75	61.6	6.5	30	185	175	150	2

*Knn: scope of delivery see table technical data

Dimensions NPT - Brass Nickel-plated

Type	Thread size	Clamping range [mm] seal insert combinations				Dimensions [mm]						
	TD	D	S1+S2+S3	S1+S2	S1	H	L	TL	D2	SW1	SW2	SW3
CG.CO.NPT3/8.BN.C.16.*	NPT 3/8"	4 ... 12	4 ... 6	6 ... 9	9 ... 12	43	72	16	26.5	22	24	24
CG.CO.NPT1/2.BN.C.16.*	NPT 1/2"	4 ... 12	4 ... 6	6 ... 9	9 ... 12	39	68	16	26.5	24	24	24
CG.CO.NPT3/4.BN.C.16.*	NPT 3/4"	10 ... 18	10 ... 12	12 ... 14.5	14.5 ... 18	41.5	72.5	16	31.5	28	29	29
CG.CO.NPT1.BN.C.20.*	NPT 1"	14 ... 24	14 ... 17	17 ... 20	20 ... 24	46	86	20	39.8	35	36	36
CG.CO.NPT1-1/4.BN.C.20.*	NPT 1-1/4"	22 ... 32	22 ... 24	24 ... 27	27 ... 32	54	94	20	50	45	45	45
CG.CO.NPT1-1/2.BN.C.20.*	NPT 1-1/2"	26 ... 35	26 ... 28	28 ... 31	31 ... 35	59.5	100	20	61	55	52	52
CG.CO.NPT2.BN.C.20.*	NPT 2"	35 ... 45	35 ... 38	38 ... 41	41 ... 45	58.5	98.5	20	75	68	65	65

Details and Accessories NPT - Brass Nickel-plated

Type	Thread size	Mass approx.		Diameter thru-hole [mm]	Flexible conduit [mm]			Nut torques [Nm] seal insert combinations				Delivery quantity
	TD	Component	Packaging unit	DT	FC1	FC2	FC3	SW1	SW2 S1+S2+S3	SW2 S1+S2	SW2 S1	
CG.CO.NPT3/8.BN.C.16.K01	NPT 3/8"	48 g	58 g	17.2 ... 17.4	22.2	15	4.5	3	20	18	16	1
CG.CO.NPT3/8.BN.C.16.K15	NPT 3/8"	48 g	790 g	17.2 ... 17.4	22.2	15	4.5	3	20	18	16	15
CG.CO.NPT1/2.BN.C.16.K01	NPT 1/2"	90 g	108 g	21.4 ... 21.6	22.2	15	4.5	4	20	18	15	1
CG.CO.NPT1/2.BN.C.16.K15	NPT 1/2"	90 g	1.49 kg	21.4 ... 21.6	22.2	15	4.5	4	20	18	15	15
CG.CO.NPT3/4.BN.C.16.K01	NPT 3/4"	106 g	116 g	26.7 ... 26.9	27.5	20	4.5	5.5	25	22	18	1
CG.CO.NPT3/4.BN.C.16.K10	NPT 3/4"	106 g	1.17 kg	26.7 ... 26.9	27.5	20	4.5	5.5	25	22	18	10
CG.CO.NPT1.BN.C.20.K01	NPT 1"	127 g	137 g	33.5 ... 33.7	34.5	25.7	6	8	28	23	20	1
CG.CO.NPT1.BN.C.20.K10	NPT 1"	127 g	1.4 kg	33.5 ... 33.7	34.5	25.7	6	8	28	23	20	10
CG.CO.NPT1-1/4.BN.C.20.K01	NPT 1-1/4"	142 g	152 g	42.2 ... 42.4	43	34.2	6	9	56	50	45	1
CG.CO.NPT1-1/4.BN.C.20.K05	NPT 1-1/4"	142 g	780 g	42.2 ... 42.4	43	34.2	6	9	56	50	45	5
CG.CO.NPT1-1/2.BN.C.20.K01	NPT 1-1/2"	362 g	372 g	48.3 ... 48.5	49.5	39.2	6	10	57	55	52	1
CG.CO.NPT1-1/2.BN.C.20.K02	NPT 1-1/2"	362 g	800 g	48.3 ... 48.5	49.5	39.2	6	10	57	55	52	2
CG.CO.NPT2.BN.C.20.K01	NPT 2"	468 g	478 g	60.4 ... 60.7	62.5	50	6	16	190	155	140	1
CG.CO.NPT2.BN.C.20.K02	NPT 2"	436 g	1.03 kg	60.4 ... 60.7	62.5	50	6	16	190	155	140	2

*Knn: scope of delivery see table technical data



Cable Glands, Metal, Barrier Glands for armored Cables

CG.BA.*.*.*

- For armored cables
- Barrier gland
- Brass nickel-plated or stainless steel
- Metric and NPT versions available
- Seal silicone
- Ex db, Ex eb and Ex tb certified
- Suitable for operation in Zone 1, Zone 2, Zone 21 and Zone 22



Function

The metal cable glands type CG.BA are suitable for indoor and outdoor applications in Zone 1, Zone 2, Zone 21 and Zone 22 hazardous areas. They are intended for use with armored cables. A two-part system sealing compound provides a reliable protection against explosion transmission through the cables. Typical armors which can be clamped are steel wire armor (SWA), steel wire braided (SWB), steel tape armor (STA), pliable wire armor (PWA) and aluminum wire armor.

Technical Data

Mechanical specifications		
Cable type		armored cables
Clamping range (D)		see data table
Thread type		metric ISO pitch 1.5 mm or NPT ANSI ASME B1.20.1
Thread size (TD)		see data table
Degree of protection		IP66 / IP68
Material		
Finish		inherent color silver
Cable gland		brass nickel-plated or AISI 316 (1.4401) stainless steel
O-Ring		silicone
Seal insert		silicone
Mass		see data table
Dimensions		see data table
Ambient conditions		
Ambient temperature		-60 ... 100 °C (-76 ... 212 °F)
Data for application in connection with hazardous areas		
EU-type examination certificate		CESI 18 ATEX 037X
Marking		Ⓔ II 2 GD Ex db IIC Gb Ex eb IIC Gb Ex tb IIIC Db
International approvals		
IECEx approval		IECEx CES 18.0030X
UKCA approval		CML 22 UKEX 1268X
CCC approval		2021312313000454
Conformity		
Degree of protection		EN 60529
CE marking		0102
General information		

Technical Data

Scope of delivery	K01 - individual component: Cable gland , epoxy moulding compound , pair of gloves , Brief instructions Knn - packing unit with multiple components: Cable glands , epoxy moulding compound , pair of gloves , Brief instructions (1 copy)
Supplementary information	EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable.

Type Code

1		2		3		4		5		6		7
CG	.	BA	.	***	.	**	.	*	.	**	.	K**
CG	.	BA	.	M20	.	BN	.	S	.	16	.	K01

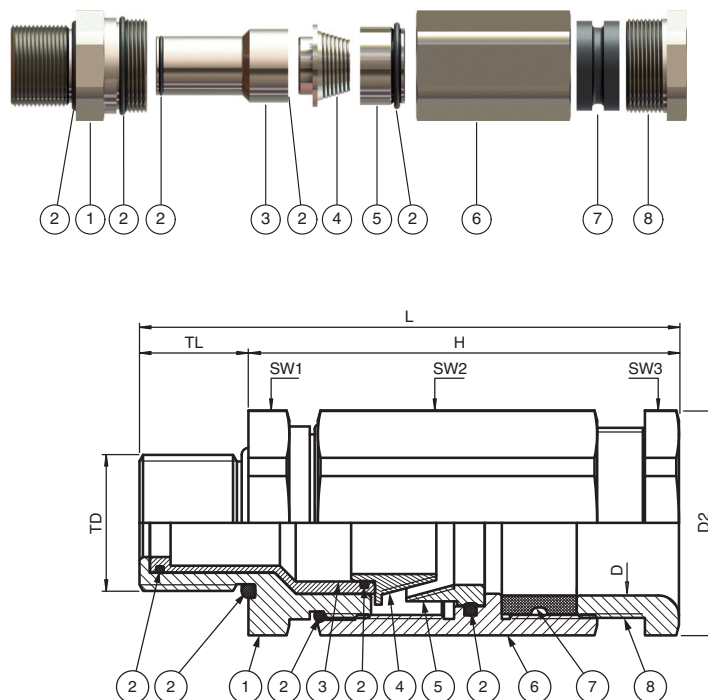
Example: CG.BA.M20.BN.C.16.K01

Barrier gland metal, for armored cables, thread size M20, body brass nickel-plated, silicone seals for -60 °C ... 100 °C, installation thread length 16 mm, one piece

1	Series
CG	cable glands
2	Type
BA	metal barrier glands for armored cables
3	Thread, type and size
M*	metric ISO pitch 1.5; sizes see dimensions data table
NPT*	NPT ANSI ASME B1.20.1; sizes see dimensions data table
4	Material
BN	brass nickel-plated
SS	stainless steel
5	Material seals / O-Ring
S	silicone
6	Thread length for installation in enclosure
**	length in mm
7	Packaging unit
	units not packaged, for use in Pepperl+Fuchs Solution Engineering Centers
K**	units quantity per package

Dimensions

Legend	
1	Gland body basis
2	O-Ring
3	Barrier tube
4	Armor cone
5	Armor tightening ring
6	Gland body
7	Seal insert
8	Pressure nut
D	Clamping range, cable sheath diameter
D2	Width across corners
H	Length outside enclosure
L	Total length
SW*	Width across flats
TD	Thread size
TL	Thread length
Barrier Details in data table	
CQ	Max. number of cores
DS	Core cross-section, single-core cable
DM	Core cross-section, multi-core cable
CC	Max. total core cross-section area



Dimensions Metric - Brass Nickel-plated

Type	Thread size	Clamping range [mm]	Armor thickness [mm]		Braiding thickness [mm]		Dimensions [mm]						
	TD	D	min.	max.	min.	max.	H	L	TL	D2	SW1	SW2	SW3
CG.BA.M20S.BN.S.16.*	M20	6 ... 13	0.8	1.25	0.3	0.8	61.5	77.5	16	27	25	25	25
CG.BA.M20.BN.S.16.*	M20	8 ... 15	0.8	1.25	0.3	0.8	61.5	77.5	16	27	25	25	25
CG.BA.M20L.BN.S.16.*	M20	13.5 ... 21	0.8	1.25	0.3	0.8	63.2	79.2	16	33	30	30	30
CG.BA.M25S.BN.S.16.*	M25	8 ... 15	0.9	1.25	0.3	0.9	61.5	77.5	16	33	30	25	25
CG.BA.M25.BN.S.16.*	M25	13.5 ... 21	0.8	1.25	0.3	0.8	63.2	79.2	16	33	30	30	30
CG.BA.M25L.BN.S.16.*	M25	18 ... 27	0.9	1.6	0.3	0.9	70.5	86.5	16	44.5	40	40	40
CG.BA.M32.BN.S.16.*	M32	18 ... 27	0.9	1.6	0.3	0.9	70.5	86.5	16	44.5	40	40	40
CG.BA.M32L.BN.S.16.*	M32	23 ... 33	0.9	1.6	0.3	0.9	72.3	88.3	16	47	43	43	43
CG.BA.M40S.BN.S.16.*	M40	23 ... 33	0.9	1.6	0.3	0.9	72.3	88.3	16	50	45	43	43
CG.BA.M40.BN.S.16.*	M40	29 ... 40	1	2	0.4	1	80.5	96.5	16	55.5	50	50	50
CG.BA.M50S.BN.S.16.*	M50	29 ... 40	1	2	0.4	1	80.5	96.5	16	61	55	50	50
CG.BA.M50.BN.S.16.*	M50	35 ... 48	1	2.5	0.4	1	88.3	104.3	16	64	58	58	58
CG.BA.M63S.BN.S.20.*	M63	35 ... 48	1	2.5	0.4	1	88.3	104.3	16	64	58	58	58
CG.BA.M63.BN.S.20.*	M63	42 ... 56	1	2.5	0.4	1	117.7	137.7	20	83	75	75	75
CG.BA.M75S.BN.S.20.*	M75	42 ... 56	1	2.5	0.4	1	117.7	137.7	20	89	80	75	75
CG.BA.M75.BN.S.20.*	M75	54 ... 70	1	3.2	0.6	1	124.1	144.1	20	110.5	100	100	100

Details and Accessories Metric - Brass Nickel-plated

Type	Thread size	Mass approx.		Barrier details				Nut torques [Nm]			Delivery quantity
	TD	Component	Packaging unit	CQ max. qty.	DS [mm]	DM [mm]	CC max. [mm²]	SW 1	SW 2	SW 3	
CG.BA.M20S.BN.S.16.K01	M20	156 g	258 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	1
CG.BA.M20S.BN.S.16.K15	M20	201 g	4.82 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	15
CG.BA.M20.BN.S.16.K01	M20	176 g	233 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BA.M20.BN.S.16.K15	M20	176 g	3.45 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	15
CG.BA.M20L.BN.S.16.K01	M20	226 g	284 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	1
CG.BA.M20L.BN.S.16.K15	M20	226 g	4.2 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	15
CG.BA.M25S.BN.S.16.K01	M25	213 g	270 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	65	60	25	1
CG.BA.M25S.BN.S.16.K10	M25	213 g	2.75 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	65	60	25	10
CG.BA.M25.BN.S.16.K01	M25	250 g	307 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	1
CG.BA.M25.BN.S.16.K10	M25	250 g	3.12 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	10
CG.BA.M25L.BN.S.16.K01	M25	431 g	488 g	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	1
CG.BA.M25L.BN.S.16.K10	M25	431 g	4.93 kg	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	10
CG.BA.M32.BN.S.16.K01	M32	473 g	530 g	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	1
CG.BA.M32.BN.S.16.K10	M32	473 g	5.35 kg	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	10
CG.BA.M32L.BN.S.16.K01	M32	438 g	520 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	1
CG.BA.M32L.BN.S.16.K10	M32	438 g	5.25 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	10
CG.BA.M40S.BN.S.16.K01	M40	507 g	594 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	80	70	55	1
CG.BA.M40S.BN.S.16.K05	M40	507 g	3.09 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	80	70	55	5
CG.BA.M40.BN.S.16.K01	M40	574 g	586 g	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	1
CG.BA.M40.BN.S.16.K05	M40	574 g	3.55 kg	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	5
CG.BA.M50S.BN.S.16.K01	M50	693 g	805 g	55	1.5 ... 29	1.5 ... 29	660.5	90	80	65	1
CG.BA.M50S.BN.S.16.K02	M50	693 g	1.81 kg	55	1.5 ... 29	1.5 ... 29	660.5	90	80	65	2
CG.BA.M50.BN.S.16.K01	M50	754 g	891 g	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	1
CG.BA.M50.BN.S.16.K02	M50	754 g	1.98 kg	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	2
CG.BA.M63S.BN.S.20.K01	M63	1.03 kg	1.17 kg	75	1.5 ... 37	1.5 ... 37	1075.2	110	90	75	1
CG.BA.M63S.BN.S.20.K02	M63	1.03 kg	2.54 kg	75	1.5 ... 37	1.5 ... 37	1075.2	110	90	75	2
CG.BA.M63.BN.S.20.K01	M63	2.03 kg	2.29 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	1
CG.BA.M63.BN.S.20.K02	M63	2.03 kg	4.78 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	2
CG.BA.M75S.BN.S.20.K01	M75	2.3 kg	2.57 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	1
CG.BA.M75S.BN.S.20.K02	M75	2.3 kg	5.33 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	2
CG.BA.M75.BN.S.20.K01	M75	3.76 kg	4.09 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	1
CG.BA.M75.BN.S.20.K02	M75	3.76 kg	8.38 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	2

*Knn: scope of delivery see table technical data

Dimensions Metric - Stainless Steel

Type	Thread size	Clamping range [mm]	Armor thickness [mm]		Braiding thickness [mm]		Dimensions [mm]						
	TD	D	min.	max.	min.	max.	H	L	TL	D2	SW1	SW2	SW3
CG.BA.M20S.SS.S.16.*	M20	6 ... 13	0.8	1.25	0.3	0.8	61.5	77.5	16	27	25	25	25
CG.BA.M20.SS.S.16.*	M20	8 ... 15	0.8	1.25	0.3	0.8	61.5	77.5	16	27	25	25	25
CG.BA.M20L.SS.S.16.*	M20	13.5 ... 21	0.8	1.25	0.3	0.8	63.2	79.2	16	33	30	30	30
CG.BA.M25S.SS.S.16.*	M25	8 ... 15	0.8	1.25	0.3	0.8	61.5	77.5	16	33	30	25	25
CG.BA.M25.SS.S.16.*	M25	13.5 ... 21	0.8	1.25	0.3	0.8	63.2	79.2	16	33	30	30	30
CG.BA.M25L.SS.S.16.*	M25	18 ... 27	0.9	1.6	0.3	0.9	70.5	86.5	16	44.5	40	40	40
CG.BA.M32.SS.S.16.*	M32	18 ... 27	0.9	1.6	0.3	0.9	70.5	86.5	16	44.5	40	40	40
CG.BA.M32L.SS.S.16.*	M32	23 ... 33	0.9	1.6	0.3	0.9	72.3	88.3	16	47	43	43	43
CG.BA.M40S.SS.S.16.*	M40	23 ... 33	0.9	1.6	0.3	0.9	72.3	88.3	16	50	45	43	43
CG.BA.M40.SS.S.16.*	M40	29 ... 40	1	2	0.4	1	80.5	96.5	16	55.5	50	50	50
CG.BA.M50S.SS.S.16.*	M50	29 ... 40	1	2	0.4	1	80.5	96.5	16	61	55	50	50
CG.BA.M50.SS.S.16.*	M50	35 ... 48	1	2.5	0.4	1	88.3	104.3	16	64	58	58	58
CG.BA.M63S.SS.S.20.*	M63	35 ... 48	1	2.5	0.4	1	88.3	104.3	16	64	75	75	75
CG.BA.M63.SS.S.20.*	M63	42 ... 56	1	2.5	0.4	1	117.7	137.7	20	83	75	75	75
CG.BA.M75S.SS.S.20.*	M75	42 ... 56	1	2.5	0.4	1	117.7	137.7	20	89	80	75	75
CG.BA.M75.SS.S.20.*	M75	54 ... 70	1	3.2	0.6	1	124.1	144.1	20	110.5	100	100	100

Details and Accessories Metric - Stainless Steel

Type	Thread size	Mass approx.		Barrier details				Nut torques [Nm]			Delivery quantity
	TD	Component	Packaging unit	CQ max. qty.	DS [mm]	DM [mm]	CC max. [mm²]	SW 1	SW 2	SW 3	
CG.BA.M20S.SS.S.16.K01	M20	190 g	247 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	1
CG.BA.M20S.SS.S.16.K15	M20	190 g	3.65 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	15
CG.BA.M20.SS.S.16.K01	M20	166 g	223 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BA.M20.SS.S.16.K15	M20	166 g	3.3 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	15
CG.BA.M20L.SS.S.16.K01	M20	214 g	271 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	1
CG.BA.M20L.SS.S.16.K15	M20	214 g	4.02 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	15
CG.BA.M25S.SS.S.16.K01	M25	201 g	258 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	65	60	25	1
CG.BA.M25S.SS.S.16.K10	M25	201 g	2.63 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	65	60	25	10
CG.BA.M25.SS.S.16.K01	M25	236 g	293 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	1
CG.BA.M25.SS.S.16.K10	M25	236 g	2.98 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	10
CG.BA.M25L.SS.S.16.K01	M25	407 g	464 g	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	1
CG.BA.M25L.SS.S.16.K10	M25	407 g	4.69 kg	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	10
CG.BA.M32.SS.S.16.K01	M32	447 g	504 g	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	1
CG.BA.M32.SS.S.16.K10	M32	447 g	5.09 kg	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	10
CG.BA.M32L.SS.S.16.K01	M32	414 g	496 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	1
CG.BA.M32L.SS.S.16.K10	M32	414 g	5.01 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	10
CG.BA.M40S.SS.S.16.K01	M40	479 g	566 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	80	70	55	1
CG.BA.M40S.SS.S.16.K05	M40	479 g	2.95 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	80	70	55	5
CG.BA.M40.SS.S.16.K01	M40	542 g	654 g	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	1
CG.BA.M40.SS.S.16.K05	M40	542 g	3.39 kg	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	5
CG.BA.M50S.SS.S.16.K01	M50	655 g	767 g	55	1.5 ... 29	1.5 ... 29	660.5	90	80	65	1
CG.BA.M50S.SS.S.16.K02	M50	655 g	1.73 kg	55	1.5 ... 29	1.5 ... 29	660.5	90	80	65	2
CG.BA.M50.SS.S.16.K01	M50	712 g	849 g	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	1
CG.BA.M50.SS.S.16.K02	M50	712 g	1.9 kg	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	2
CG.BA.M63S.SS.S.20.K01	M63	974 g	1.11 kg	75	1.5 ... 37	1.5 ... 37	1075.2	110	90	75	1
CG.BA.M63S.SS.S.20.K02	M63	974 g	2.42 kg	75	1.5 ... 37	1.5 ... 37	1075.2	110	90	75	2
CG.BA.M63.SS.S.20.K01	M63	1.92 kg	2.18 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	1
CG.BA.M63.SS.S.20.K02	M63	1.92 kg	4.56 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	2
CG.BA.M75S.SS.S.20.K01	M75	2.18 kg	2.44 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	1
CG.BA.M75S.SS.S.20.K02	M75	2.18 kg	5.08 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	2
CG.BA.M75.SS.S.20.K01	M75	3.55 kg	3.88 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	1
CG.BA.M75.SS.S.20.K02	M75	3.55 kg	7.97 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	2

*Knn: scope of delivery see table technical data

Dimensions NPT - Brass Nickel-plated

Type	Thread size	Clamping range [mm]	Armor thickness [mm]		Braiding thickness [mm]		Dimensions [mm]						
	TD	D	min.	max.	min.	max.	H	L	TL	D2	SW1	SW2	SW3
CG.BA.NPT1/2S.BN.S.21.*	NPT 1/2"	6 ... 13	0.8	1.25	0.3	0.8	61.5	82.5	21	27	25	25	25
CG.BA.NPT1/2.BN.S.21.*	NPT 1/2"	8 ... 15	0.8	1.25	0.3	0.8	61.5	82.5	21	27	25	25	25
CG.BA.NPT1/2L.BN.S.21.*	NPT 1/2"	13.5 ... 21	0.8	1.25	0.3	0.8	63.2	84.2	21	33	30	30	30
CG.BA.NPT3/4S.BN.S.21.*	NPT 3/4"	8 ... 15	0.8	1.25	0.3	0.8	61.7	82.7	21	33	30	25	25
CG.BA.NPT3/4.BN.S.21.*	NPT 3/4"	13.5 ... 21	0.8	1.25	0.3	0.8	63.2	84.2	21	33	30	30	30
CG.BA.NPT3/4L.BN.S.21.*	NPT 3/4"	18 ... 27	0.9	1.6	0.3	0.9	70.5	91.5	21	44.5	40	40	40
CG.BA.NPT1.BN.S.26.*	NPT 1"	18 ... 27	0.9	1.6	0.3	0.9	70.6	96.6	26	44.5	40	40	40
CG.BA.NPT1L.BN.S.26.*	NPT 1"	23 ... 33	0.9	1.6	0.3	0.9	72.3	98.3	26	47	43	43	43
CG.BA.NPT1-1/4S.BN.S.28.*	NPT 1-1/4"	23 ... 33	0.9	1.6	0.3	0.9	72.3	100.3	28	50	45	43	43
CG.BA.NPT1-1/4.BN.S.28.*	NPT 1-1/4"	29 ... 40	1	2	0.4	1	80.5	108.5	28	55.5	50	50	50
CG.BA.NPT1-1/2.BN.S.28.*	NPT 1-1/2"	29 ... 40	1	2	0.4	1	80.5	108.5	28	61	55	50	50
CG.BA.NPT2.BN.S.28.*	NPT 2"	35 ... 48	1	2.5	0.4	1	88.5	116.3	28	72	65	58	58
CG.BA.NPT2-1/2.BN.S.41.*	NPT 2-1/2"	42 ... 56	1	2.5	0.4	1	117.9	158.9	41	89	80	75	75
CG.BA.NPT3.BN.S.43.*	NPT 3"	54 ... 70	1	3.2	0.6	1	124.1	167.1	43	110.5	100	100	100

Details and Accessories NPT - Brass Nickel-plated

Type	Thread size	Mass approx.		Barrier details				Nut torques [Nm]			Delivery quantity
	TD	Component	Packaging unit	CQ max. qty.	DS [mm]	DM [mm]	CC max. [mm ²]	SW 1	SW 2	SW 3	
CG.BA.NPT1/2S.BN.S.21.K01	NPT 1/2"	218 g	275 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	1
CG.BA.NPT1/2S.BN.S.21.K15	NPT 1/2"	218 g	4.08 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	15
CG.BA.NPT1/2L.BN.S.21.K01	NPT 1/2"	193 g	250 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BA.NPT1/2L.BN.S.21.K15	NPT 1/2"	193 g	3.7 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	15
CG.BA.NPT1/2L.BN.S.21.K01	NPT 1/2"	242 g	299 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	1
CG.BA.NPT1/2L.BN.S.21.K15	NPT 1/2"	242 g	4.44 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	15
CG.BA.NPT3/4S.BN.S.21.K01	NPT 3/4"	243 g	300 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BA.NPT3/4S.BN.S.21.K10	NPT 3/4"	243 g	3.05 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	10
CG.BA.NPT3/4L.BN.S.21.K01	NPT 3/4"	278 g	335 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	1
CG.BA.NPT3/4L.BN.S.21.K10	NPT 3/4"	278 g	3.4 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	10
CG.BA.NPT3/4L.BN.S.21.K01	NPT 3/4"	454 g	511 g	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	1
CG.BA.NPT3/4L.BN.S.21.K10	NPT 3/4"	454 g	5.16 kg	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	10
CG.BA.NPT1.BN.S.26.K01	NPT 1"	536 g	598 g	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	1
CG.BA.NPT1.BN.S.26.K10	NPT 1"	536 g	5.98 kg	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	10
CG.BA.NPT1L.BN.S.26.K01	NPT 1"	486 g	573 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	1
CG.BA.NPT1L.BN.S.26.K10	NPT 1"	486 g	5.73 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	10
CG.BA.NPT1-1/4S.BN.S.28.K01	NPT 1-1/4"	622 g	709 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	1
CG.BA.NPT1-1/4S.BN.S.28.K05	NPT 1-1/4"	622 g	3.67 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	5
CG.BA.NPT1-1/4L.BN.S.28.K01	NPT 1-1/4"	655 g	767 g	55	1.5 ... 29	1.5 ... 29	660.5	70	80	65	1
CG.BA.NPT1-1/4L.BN.S.28.K05	NPT 1-1/4"	655 g	3.96 kg	55	1.5 ... 29	1.5 ... 29	660.5	70	80	65	5
CG.BA.NPT1-1/2L.BN.S.28.K01	NPT 1-1/2"	781 g	893 g	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	1
CG.BA.NPT1-1/2L.BN.S.28.K02	NPT 1-1/2"	781 g	1.99 kg	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	2
CG.BA.NPT2.BN.S.28.K01	NPT 2"	1.08 kg	1.22 kg	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	1
CG.BA.NPT2.BN.S.28.K02	NPT 2"	1.08 kg	2.64 kg	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	2
CG.BA.NPT2-1/2L.BN.S.41.K01	NPT 2-1/2"	2.27 kg	2.93 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	1
CG.BA.NPT2-1/2L.BN.S.41.K02	NPT 2-1/2"	2.27 kg	6.06 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	2
CG.BA.NPT3.BN.S.43.K01	NPT 3"	4.63 kg	4.97 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	1
CG.BA.NPT3.BN.S.43.K02	NPT 3"	4.63 kg	10.14 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	2

*Knn: scope of delivery see table technical data

Dimensions NPT - Stainless Steel

Type	Thread size	Clamping range [mm]	Armor thickness [mm]		Braiding thickness [mm]		Dimensions [mm]						
	TD	D	min.	max.	min.	max.	H	L	TL	D2	SW1	SW2	SW3
CG.BA.NPT1/2S.SS.S.21.*	NPT 1/2"	6 ... 13	0.8	1.25	0.3	0.8	61.5	82.5	21	27	25	25	25
CG.BA.NPT1/2.SS.S.21.*	NPT 1/2"	8 ... 15	0.8	1.25	0.3	0.8	61.5	82.5	21	27	25	25	25
CG.BA.NPT1/2L.SS.S.21.*	NPT 1/2"	13.5 ... 21	0.8	1.25	0.3	0.8	63.2	84.2	21	33	30	30	30
CG.BA.NPT3/4S.SS.S.21.*	NPT 3/4"	8 ... 15	0.8	1.25	0.3	0.8	61.7	82.7	21	33	30	25	25
CG.BA.NPT3/4.SS.S.21.*	NPT 3/4"	13.5 ... 21	0.8	1.25	0.3	0.8	63.2	84.2	21	33	30	30	30
CG.BA.NPT3/4L.SS.S.21.*	NPT 3/4"	18 ... 27	0.9	1.6	0.3	0.9	70.5	91.5	21	44.5	40	40	40
CG.BA.NPT1.SS.S.26.*	NPT 1"	18 ... 27	0.9	1.6	0.3	0.9	70.6	96.6	26	44.5	40	40	40
CG.BA.NPT1L.SS.S.26.*	NPT 1"	23 ... 33	0.9	1.6	0.3	0.9	72.3	98.3	26	47	43	43	43
CG.BA.NPT1-1/4S.SS.S.28.*	NPT 1-1/4"	23 ... 33	0.9	1.6	0.3	0.9	72.3	100.3	28	50	45	43	43
CG.BA.NPT1-1/4.SS.S.28.*	NPT 1-1/4"	29 ... 40	1	2	0.4	1	80.5	108.5	28	55.5	50	50	50
CG.BA.NPT1-1/2.SS.S.28.*	NPT 1-1/2"	29 ... 40	1	2	0.4	1	80.5	108.5	28	61	55	50	50
CG.BA.NPT2.SS.S.28.*	NPT 2"	35 ... 48	1	2.5	0.4	1	88.5	116.3	28	72	65	58	58
CG.BA.NPT2-1/2.SS.S.41.*	NPT 2-1/2"	42 ... 56	1	2.5	0.4	1	117.9	158.9	41	89	80	75	75
CG.BA.NPT3.SS.S.43.*	NPT 3"	54 ... 70	1	3.2	0.6	1	124.1	167.1	43	110.5	100	100	100

Details and Accessories NPT - Stainless Steel

Type	Thread size	Mass approx.		Barrier details				Nut torques [Nm]			Delivery quantity
	TD	Component	Packaging unit	CQ max. qty.	DS [mm]	DM [mm]	CC max. [mm ²]	SW 1	SW 2	SW 3	
CG.BA.NPT1/2S.SS.S.21.K01	NPT 1/2"	206 g	263 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	1
CG.BA.NPT1/2S.SS.S.21.K15	NPT 1/2"	206 g	3.9 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	30	15
CG.BA.NPT1/2.SS.S.21.K01	NPT 1/2"	183 g	240 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BA.NPT1/2.SS.S.21.K15	NPT 1/2"	183 g	3.54 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	15
CG.BA.NPT1/2L.SS.S.21.K01	NPT 1/2"	229 g	286 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	1
CG.BA.NPT1/2L.SS.S.21.K15	NPT 1/2"	229 g	4.24 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	35	15
CG.BA.NPT3/4S.SS.S.21.K01	NPT 3/4"	229 g	286 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	1
CG.BA.NPT3/4S.SS.S.21.K10	NPT 3/4"	229 g	2.91 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	60	60	25	10
CG.BA.NPT3/4.SS.S.21.K01	NPT 3/4"	262 g	319 g	9	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	1
CG.BA.NPT3/4.SS.S.21.K10	NPT 3/4"	262 g	3.24 kg	9	1.5 ... 9.5	1.5 ... 9.5	70.9	65	65	35	10
CG.BA.NPT3/4L.SS.S.21.K01	NPT 3/4"	429 g	486 g	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	1
CG.BA.NPT3/4L.SS.S.21.K10	NPT 3/4"	429 g	4.91 kg	22	1.5 ... 15	1.5 ... 15	176.7	65	65	30	10
CG.BA.NPT1.SS.S.26.K01	NPT 1"	506 g	568 g	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	1
CG.BA.NPT1.SS.S.26.K10	NPT 1"	506 g	5.68 kg	22	1.5 ... 15	1.5 ... 15	176.7	70	70	30	10
CG.BA.NPT1L.SS.S.26.K01	NPT 1"	459 g	546 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	1
CG.BA.NPT1L.SS.S.26.K10	NPT 1"	459 g	5.46 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	10
CG.BA.NPT1-1/4S.SS.S.28.K01	NPT 1-1/4"	588 g	675 g	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	1
CG.BA.NPT1-1/4S.SS.S.28.K05	NPT 1-1/4"	588 g	3.5 kg	36	1.5 ... 21.5	1.5 ... 21.5	363.1	70	70	55	5
CG.BA.NPT1-1/4.SS.S.28.K01	NPT 1-1/4"	618 g	730 g	55	1.5 ... 29	1.5 ... 29	660.5	70	80	65	1
CG.BA.NPT1-1/4.SS.S.28.K05	NPT 1-1/4"	618 g	3.78 kg	55	1.5 ... 29	1.5 ... 29	660.5	70	80	65	5
CG.BA.NPT1-1/2.SS.S.28.K01	NPT 1-1/2"	737 g	849 g	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	1
CG.BA.NPT1-1/2.SS.S.28.K02	NPT 1-1/2"	737 g	1.9 kg	55	1.5 ... 29	1.5 ... 29	660.5	80	80	65	2
CG.BA.NPT2.SS.S.28.K01	NPT 2"	1.02 kg	1.16 kg	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	1
CG.BA.NPT2.SS.S.28.K02	NPT 2"	1.02 kg	2.52 kg	75	1.5 ... 37	1.5 ... 37	1075.2	90	90	75	2
CG.BA.NPT2-1/2.SS.S.41.K01	NPT 2-1/2"	2.52 kg	2.78 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	1
CG.BA.NPT2-1/2.SS.S.41.K02	NPT 2-1/2"	2.52 kg	5.77 kg	99	1.5 ... 46	1.5 ... 46	1661.9	110	110	85	2
CG.BA.NPT3.SS.S.43.K01	NPT 3"	4.37 kg	4.71 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	1
CG.BA.NPT3.SS.S.43.K02	NPT 3"	4.37 kg	9.62 kg	129	1.5 ... 58	1.5 ... 58	2642.1	120	120	150	2

*Knn: scope of delivery see table technical data



Cable Glands, Plastic

CG.P*DS1.*.PA.*.*

- For cables without armor
- High impact-resistant polyamide material
- Ex eb and Ex tb certified
- Suitable for operation in Zone 1, Zone 2, Zone 21 and Zone 22
- Very large clamping range due to double sealing insert
- Versions with blue marking for use with Ex i circuits available
- Full impact resistance of 7 J according to IEC/EN 60079-0 for the full range without limitations



Function

The plastic cable glands CG.P*DS1 are designed in protection type Ex e in accordance with IEC/EN 60079-0 and IEC/EN 60079-7 for the use in Zone 1, Zone 2, Zone 21 and Zone 22 hazardous areas with non-armored cables. They are made of special resistant polyamide and offer a variety of clamping ranges and thread lengths. Variants with blue marking are available for identification of Ex i circuits.

Technical Data

Mechanical specifications

Cable type	non-armored cables
Clamping range (D)	see data table
Thread type	metric ISO pitch 1.5 mm
Thread size (TD)	see data table
Degree of protection	IP66 / IP68
Material	
Finish	inherent color black or inherent color black, cap nut blue
Cable gland	high impact-resistant polyamide
Washer gasket	flat chloroprene gasket
Seal insert	chloroprene / neoprene or silicone
Mass	see data table
Dimensions	see data table

Ambient conditions

Ambient temperature	chloroprene seal: -40 ... 70 °C (-40 ... 158 °F) silicone seal: -60 ... 70 °C (-76 ... 158 °F) sealing plugs: -60 ... 70 °C (-76 ... 158 °F)
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Data for application in connection with hazardous areas

EU-type examination certificate	IMQ 15 ATEX 006X
Marking	Ⓔ II 2 GD Ex eb IIC Gb Ex tb IIIC Db

International approvals

IECEx approval	IECEx IMQ 15.0001X
UKCA approval	CML 22 UKEX 31379X
INMETRO approval	DNV 20.0030 X
CCC approval	2021312313000450

Conformity

Degree of protection	EN 60529
CE marking	0102

Technical Data

General information

Scope of delivery	Knn - packing unit with multiple components: Cable glands , Brief instructions (1 copy)	
Supplementary information		EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable.

Accessories

Sealing plugs		see data table
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Type Code

1		2		3		4		5		6		7
CG	.	****	.	***	.	**	.	*	.	**	.	K**
CG	.	PIDS1	.	M20	.	PA	.	C	.	10	.	K50

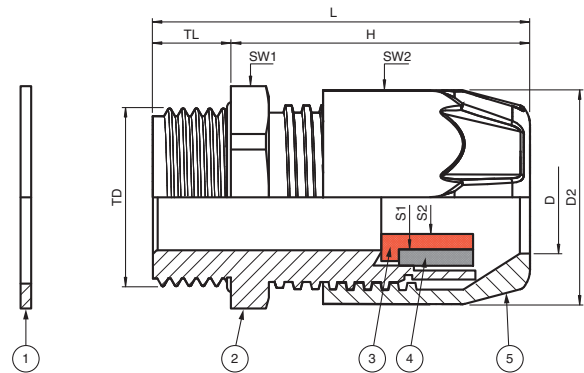
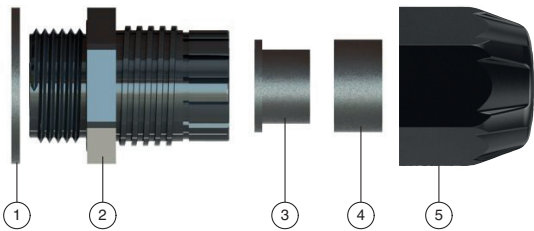
Example: CG.PIDS1.M20.PA.C.10.K50

Cable gland, plastic, blue to indicate intrinsically safe circuits, double seal insert, thread size M20, body polyamide, chloroprene seals for -40 °C ... 70 °C, installation thread length 10 mm, fifty pieces

1	Series
CG	cable glands
2	Type
PEDS1	plastic glands, double seal insert, black
PIDS1	plastic glands, double seal insert, blue to indicate Ex i circuits
3	Thread, type and size
M*	metric ISO pitch 1.5; sizes see dimensions data table
4	Material
PA	polyamide
5	Material seals / O-Ring
C	chloroprene / neoprene
S	silicone
6	Thread length for installation in enclosure
**	length in mm
7	Packaging unit
	units not packaged, for use in Pepperl+Fuchs Solution Engineering Centers
K**	units quantity per package

Dimensions

Legend	
1	Flat gasket
2	Gland body basis
3	Seal insert S2
4	Seal insert S1
5	Cap nut
D	Clamping range, cable sheath diameter
D2	Width across corners
H	Length outside enclosure
L	Total length
S*	Clamping range, seal insert combinations
SW*	Width across flats
TD	Thread size
TL	Thread length



CG.PE* Dimensions

Type	Thread size	Clamping range [mm] seal insert combinations			Dimensions [mm]					
	TD	D	S1+S2	S1	H	L	TL	D2	SW1	SW2
CG.PEDS1.M12.PA.C.10.K50	M12	3 ... 6.5	3 ... 4	4 ... 6.5	30.3	40.3	10	17	15	15
CG.PEDS1.M12.PA.C.15.K50	M12	3 ... 6.5	3 ... 4	4 ... 6.5	30.3	45.3	15	17	15	15
CG.PEDS1.M16S.PA.C.10.K50	M16	4 ... 8	4 ... 5	5 ... 8	33.6	43.6	10	21.7	19	19
CG.PEDS1.M16S.PA.C.15.K50	M16	4 ... 8	4 ... 5	5 ... 8	33.6	48.2	15	21.7	19	19
CG.PEDS1.M16.PA.C.15.K50	M16	4 ... 10	4 ... 6	6 ... 10	37.2	47.2	15	25	22	22
CG.PEDS1.M20.PA.C.10.K50	M20	6 ... 12	6 ... 7.5	7.5 ... 12	37.8	47.8	10	27	24	24
CG.PEDS1.M20.PA.C.15.K50	M20	6 ... 12	6 ... 7.5	7.5 ... 12	37.8	52.4	15	27	24	24
CG.PEDS1.M20XL.PA.C.15.K50	M20	8 ... 14	8 ... 11	11 ... 14	37	52	15	30.9	27	27
CG.PEDS1.M25.PA.C.10.K25	M25	9 ... 17	9 ... 13	13 ... 17	42.2	47.7	10	32.5	29	29
CG.PEDS1.M25.PA.C.15.K25	M25	9 ... 17	9 ... 13	13 ... 17	42.2	47.7	15	32.5	29	29
CG.PEDS1.M25L.PA.C.15.K25	M25	10 ... 18	10 ... 13	13 ... 18	43.6	58.6	15	37.2	33	33
CG.PEDS1.M32.PA.C.10.K20	M32	12 ... 21	12 ... 16	16 ... 21	47.3	57.3	10	41	36	36
CG.PEDS1.M32.PA.C.15.K20	M32	12 ... 21	12 ... 16	16 ... 21	47.3	62.3	15	41	36	36
CG.PEDS1.M32L.PA.C.15.K20	M32	14 ... 25	14 ... 20	20 ... 25	48.7	63.7	15	47.1	42	42
CG.PEDS1.M40.PA.C.10.K10	M40	17 ... 28	17 ... 21	21 ... 28	52.4	62.4	10	52.4	46	46
CG.PEDS1.M40.PA.C.15.K10	M40	17 ... 28	17 ... 21	21 ... 28	52.4	67.4	15	52.4	46	46
CG.PEDS1.M50.PA.C.18.K05	M50	22 ... 38	22 ... 31	31 ... 38	60.1	78.1	18	67.8	60	60
CG.PEDS1.M63.PA.C.18.K05	M63	28 ... 44	28 ... 35	35 ... 44	60.4	78.4	18	72.4	65	65

CG.PE* Details and Accessories

Type	Thread size	Mass approx.		Diameter thru-hole [mm]	Nut torques [Nm]			End-caps color	Sealing plugs	Delivery quantity
	TD	Component	Packaging unit	DT	SW1	SW2 S1+S2	SW2 S1			
CG.PEDS1.M12.PA.C.10.K50	M12	7 g	213 g	12 ... 12.2	1.5	1	2	black	BP.PDS.M12.PA	50
CG.PEDS1.M12.PA.C.15.K50	M12	7 g	216 g	12 ... 12.2	1.5	1	2	black	BP.PDS.M12.PA	50
CG.PEDS1.M16S.PA.C.10.K50	M16	8 g	361 g	16 ... 16.2	1.5	3.5	4	black	BP.PDS.M16S.PA	50
CG.PEDS1.M16S.PA.C.15.K50	M16	10 g	365 g	16 ... 16.2	1.5	3.5	4	black	BP.PDS.M16S.PA	50
CG.PEDS1.M16.PA.C.15.K50	M16	12.6 g	630 g	16 ... 16.2	1.5	3.5	4	black	BP.PDS.M16-M20S.PA	50
CG.PEDS1.M20.PA.C.10.K50	M20	12 g	571 g	20 ... 20.2	2	5	5	black	BP.PDS.M20.PA	50
CG.PEDS1.M20.PA.C.15.K50	M20	13 g	600 g	20 ... 20.2	2	5	5	black	BP.PDS.M20.PA	50
CG.PEDS1.M20XL.PA.C.15.K50	M20	14 g	700 g	20 ... 20.2	2	5.5	5.5	black	BP.PDS.M20XL-M25S.PA	50
CG.PEDS1.M25.PA.C.10.K25	M25	15 g	474 g	25 ... 25.2	2.5	5	5	black	BP.PDS.M25.PA	25
CG.PEDS1.M25.PA.C.15.K25	M25	16 g	502 g	25 ... 25.2	2.5	5	5	black	BP.PDS.M25.PA	25
CG.PEDS1.M25L.PA.C.15.K25	M25	17 g	686 g	25 ... 25.2	2.5	5.5	8	black	BP.PDS.M25L-M32S.PA	25
CG.PEDS1.M32.PA.C.10.K20	M32	31 g	610 g	32 ... 32.3	4	4.5	6	black	BP.PDS.M32.PA	20
CG.PEDS1.M32.PA.C.15.K20	M32	32 g	640 g	32 ... 32.3	4	4.5	6	black	BP.PDS.M32.PA	20
CG.PEDS1.M32L.PA.C.15.K20	M32	26 g	520 g	32 ... 32.3	4	8	9	black	BP.PDS.M32L.PA	20
CG.PEDS1.M40.PA.C.10.K10	M40	45 g	450 g	40 ... 40.3	6	5	5	black	BP.PDS.M40.PA	10
CG.PEDS1.M40.PA.C.15.K10	M40	46 g	460 g	40 ... 40.3	6	5	5	black	BP.PDS.M40.PA	10
CG.PEDS1.M50.PA.C.18.K05	M50	93 g	465 g	50 ... 50.3	8	18	22	black	BP.PDS.M50.PA	5
CG.PEDS1.M63.PA.C.18.K05	M63	95 g	475 g	63 ... 63.3	10	22	24	black	BP.PDS.M63.PA	5

*Knn: scope of delivery see table technical data

CG.PI* Dimensions

Type	Thread size	Clamping range [mm] seal insert combinations			Dimensions [mm]					
	TD	D	S1+S2	S1	H	L	TL	D2	SW1	SW2
CG.PIDS1.M12.PA.C.10.K50	M12	3 ... 6.5	3 ... 4	4 ... 6.5	30.3	40.3	10	17	15	15
CG.PIDS1.M12.PA.C.15.K50	M12	3 ... 6.5	3 ... 4	4 ... 6.5	25.3	45.3	15	17	15	15
CG.PIDS1.M16S.PA.C.10.K50	M16	4 ... 8	4 ... 5	5 ... 8	33.6	43.6	10	21.7	19	19
CG.PIDS1.M16S.PA.C.15.K50	M16	4 ... 8	4 ... 5	5 ... 8	33.6	48.6	15	21.7	19	19
CG.PIDS1.M16.PA.C.10.K50	M16	4 ... 10	4 ... 6	6 ... 10	37.2	47.2	10	25	22	22
CG.PIDS1.M16.PA.C.15.K50	M16	4 ... 10	4 ... 6	6 ... 10	37.2	47.2	15	25	22	22
CG.PIDS1.M20.PA.C.10.K50	M20	6 ... 12	6 ... 7.5	7.5 ... 12	37.8	47.8	10	27	24	24
CG.PIDS1.M20.PA.C.15.K50	M20	6 ... 12	6 ... 7.5	7.5 ... 12	37.8	52.8	15	27	24	24
CG.PIDS1.M25.PA.C.10.K25	M25	9 ... 17	9 ... 13	13 ... 17	42.2	52.2	10	32.5	29	29
CG.PIDS1.M25.PA.C.15.K25	M25	9 ... 17	9 ... 13	13 ... 17	42.2	57.2	15	32.5	29	29
CG.PIDS1.M25L.PA.C.15.K25	M25	10 ... 18	10 ... 13	13 ... 18	43.6	58.6	15	37.2	33	33
CG.PIDS1.M32.PA.C.10.K20	M32	12 ... 21	12 ... 16	16 ... 21	47.3	57.3	10	41	36	36
CG.PIDS1.M32.PA.C.15.K20	M32	12 ... 21	12 ... 16	16 ... 21	42.3	62.3	15	41	36	36
CG.PIDS1.M32L.PA.C.15.K20	M32	14 ... 25	14 ... 20	20 ... 25	48.7	63.7	15	47.1	42	42
CG.PIDS1.M40.PA.C.10.K10	M40	17 ... 28	17 ... 21	21 ... 28	52.4	62.4	10	52.4	46	46
CG.PIDS1.M40.PA.C.15.K10	M40	17 ... 28	17 ... 21	21 ... 28	52.4	67.4	15	52.4	46	46
CG.PIDS1.M50.PA.C.18.K05	M50	22 ... 38	22 ... 31	31 ... 38	60.1	78.1	18	67.8	60	60
CG.PIDS1.M63.PA.C.18.K05	M63	28 ... 44	28 ... 35	35 ... 44	60.4	78.4	18	72.4	65	65

CG.PI* Dimensions Details and Accessories

Type	Thread size	Mass approx.		Diameter thru-hole [mm]	Nut torques [Nm]			End-caps color	Sealing plugs	Delivery quantity
	TD	Component	Packaging unit	DT	SW1	SW2 S1+S2	SW2 S1			
CG.PIDS1.M12.PA.C.10.K50	M12	7 g	210 g	12 ... 12.2	1.5	1	2	blue	BP.PDS.M12.PA	50
CG.PIDS1.M12.PA.C.15.K50	M12	7 g	214 g	12 ... 12.2	1.5	1	2	blue	BP.PDS.M12.PA	50
CG.PIDS1.M16S.PA.C.10.K50	M16	10 g	500 g	16 ... 16.2	1.5	3.5	4	blue	BP.PDS.M16S.PA	50
CG.PIDS1.M16S.PA.C.15.K50	M16	11 g	550 g	16 ... 16.2	1.5	3.5	4	blue	BP.PDS.M16S.PA	50
CG.PIDS1.M16.PA.C.10.K50	M16	12.6 g	630 g	16 ... 16.2	1.5	3.5	4	blue	BP.PDS.M16-M20S.PA	50
CG.PIDS1.M16.PA.C.15.K50	M16	12.6 g	630 g	16 ... 16.2	1.5	3.5	4	blue	BP.PDS.M16-M20S.PA	50
CG.PIDS1.M20.PA.C.10.K50	M20	13 g	580 g	20 ... 20.2	2	5	5	blue	BP.PDS.M20.PA	50
CG.PIDS1.M20.PA.C.15.K50	M20	14 g	609 g	20 ... 20.2	2	5	5	blue	BP.PDS.M20.PA	50
CG.PIDS1.M25.PA.C.10.K25	M25	17 g	477 g	25 ... 25.2	2.5	5	5	blue	BP.PDS.M25.PA	25
CG.PIDS1.M25.PA.C.15.K25	M25	18 g	504 g	25 ... 25.2	2.5	5	5	blue	BP.PDS.M25.PA	25
CG.PIDS1.M25L.PA.C.15.K25	M25	24.4 g	610 g	25 ... 25.2	2.5	5.5	8	blue	BP.PDS.M25L-M32S.PA	25
CG.PIDS1.M32.PA.C.10.K20	M32	31 g	620 g	32 ... 32.3	4	4.5	6	blue	BP.PDS.M32.PA	20
CG.PIDS1.M32.PA.C.15.K20	M32	26 g	630 g	32 ... 32.3	4	4.5	6	blue	BP.PDS.M32.PA	20
CG.PIDS1.M32L.PA.C.15.K20	M32	27 g	540 g	32 ... 32.3	4	8	9	blue	BP.PDS.M32L.PA	20
CG.PIDS1.M40.PA.C.10.K10	M40	45 g	450 g	40 ... 40.3	6	5	5	blue	BP.PDS.M40.PA	10
CG.PIDS1.M40.PA.C.15.K10	M40	46 g	460 g	40 ... 40.3	6	5	5	blue	BP.PDS.M40.PA	10
CG.PIDS1.M50.PA.C.18.K05	M50	93 g	465 g	50 ... 50.3	8	18	22	blue	BP.PDS.M50.PA	5
CG.PIDS1.M63.PA.C.18.K05	M63	95 g	475 g	63 ... 63.3	10	22	24	blue	BP.PDS.M63.PA	5

*Knn: scope of delivery see table technical data

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