

Cable Glands

DQM-I Series Explosion-proof Cable Glands (Ex eb IIC)

Metal Armored



Cable wiring

Steel pipe wiring

- ◆ Explosion protection to
 - CENELEC
 - IEC
 - NEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
 - Class I, Zone 1 and Zone 2
 - Class I, Division 2, Groups A, B, C, D
- ◆ Ex e structure; available in stainless steel or nickel plated brass.
- ◆ Single seal, suitable for both armored and unarmored cable.
- ◆ EMC Cable Gland. (360° contact) - EMC tested.

Technical data

Explosion-proof cable glands DQM-I (metal armored)

Explosion protection

Global (IECEX)

IECEX EUT 17.0001X

Gas and dust

Ex eb IIC Gb

Ex tb IIIC Db IP66 / IP67

Europe (ATEX)

EPT 15 ATEX 1965

Gas and dust

Ex II 2 G Ex e IIC Gb

Ex II 2 D Ex tb IIIC Db IP66 / IP67

Certificates

IECEX; ATEX; CU-TR

Conformity to standards

EN 60079-0, EN 60079-7, EN 60079-31

IEC 60079-0, IEC 60079-7, IEC 60079-31

Gland material

Stainless steel or nickel plated brass

Degree of protection

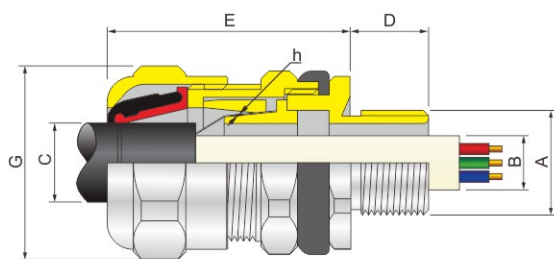
IP66 / IP67

Ambient temperature

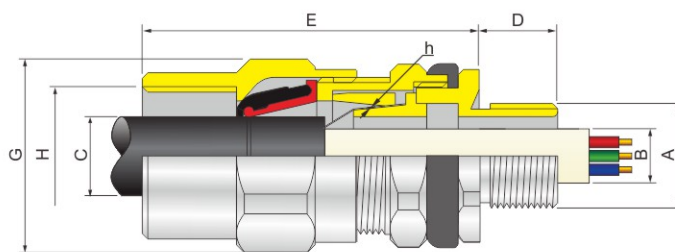
-60°C~+100°C

Connection thread

Metric thread is standard type; G thread or NPT thread is optional



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Selection table of cable wiring

Gland size	Entry thread "A"		Cable outer diameter B (mm)	Cable outer diameter C (mm)		Minimum thread length D (mm)	Nominal protrusion length E (mm)	Across corners G (mm)	Armour/Braid(h)		Ordering code	Weight (kg)
	Metric	NPT/G	Max	Min	Max				X	W		
20A	M20	1/2"	10.5	5.5	12.0	15	51	31	0~0.6	0.8~1.4	707001	0.11
20B	M20	1/2"	10.5	9.0	16.0	15	51	31	0~0.6	0.8~1.4	707002	0.14
20C	M20	1/2"	14.5	12.5	20.5	15	53	37	0~0.6	0.8~1.4	707003	0.14
25A	M25	3/4"	10.5	9.0	16.0	15	51	37	0~0.6	0.8~1.4	707004	0.18
25B	M25	3/4"	14.5	12.5	20.5	15	53	37	0~0.6	0.8~1.4	707005	0.17
25C	M25	3/4"	19.5	17.0	26.0	15	58	45	0~0.7	1.0~1.7	707006	0.17
32A	M32	1"	14.5	12.5	20.5	15	53	45	0~0.6	0.8~1.4	707007	0.20
32B	M32	1"	19.5	17.0	26.0	15	58	45	0~0.7	1.0~1.7	707008	0.26
32C	M32	1"	25.5	22.0	33.0	15	62	54	0~0.8	1.0~1.7	707009	0.28
40A	M40	1 1/4"	19.5	17.0	26.0	19	58	54	0~0.7	1.0~1.7	707010	0.28
40B	M40	1 1/4"	25.5	22.0	33.0	19	62	54	0~0.8	1.0~1.7	707011	0.31
40C	M40	1 1/4"	31.0	28.0	41.0	19	69	65	0~1.0	1.0~2.0	707012	0.37
50A	M50	1 1/2"	25.5	22.0	33.0	19	62	65	0~0.8	1.0~1.7	707013	0.37
50B	M50	1 1/2"	31.0	28.0	41.0	19	69	65	0~1.0	1.0~2.0	707014	0.55
50C	M50	1 1/2"	37.0	36.0	52.5	19	77	77	0~1.0	1.0~2.0	707015	0.70
63A	M63	2"	31.0	28.0	41.0	19	69	77	0~1.0	1.0~2.0	707016	0.85
63B	M63	2"	37.0	36.0	52.5	19	77	77	0~1.0	1.0~2.0	707017	1.00
63C	M63	2"	49.0	46.0	65.0	19	95	93	0~1.2	1.5~2.7	707018	1.30
75A	M75	2 1/2"	37.0	36.0	52.5	19	77	90	0~1.0	1.0~2.0	707019	2.40
75B	M75	2 1/2"	55.0	46.0	65.0	19	95	93	0~1.2	1.5~2.7	707020	2.70
75C	M75	2 1/2"	NPT: 60.0 M/G: 64.0	57.0	78.0	19	100	110	0~1.5	2.0~3.5	707021	2.80
90	M90	3"	75.0	68.0	88.0	19	100	121	0~1.5	2.0~3.5	707022	3.70
115	M115	4"	90.0	83.0	103.0	19	106	137	0~1.5	2.0~3.5	707023	4.40

Selection table of steel pipe wiring

Gland size	Entry thread "A"		Entry thread "H"		Cable outer diameter B (mm)	Cable outer diameter C (mm)		Minimum thread length D (mm)	Nominal protrusion length E (mm)	Across corners G (mm)	Armour/Braid(h)		Ordering code	Weight (kg)
	Metric	NPT/G	Metric	NPT/G	Max	Min	Max				X	W		
20A	M20	1/2"	M20	1/2"	10.5	5.5	12.0	15	66	31	0~0.6	0.8~1.4	707024	0.14
20B	M20	1/2"	M20	1/2"	10.5	9.0	16.0	15	66	31	0~0.6	0.8~1.4	707025	0.18
20C	M20	1/2"	M25	3/4"	14.5	12.5	20.5	15	68	37	0~0.6	0.8~1.4	707026	0.18
25A	M25	3/4"	M20	1/2"	10.5	9.0	16.0	15	66	37	0~0.6	0.8~1.4	707027	0.23
25B	M25	3/4"	M25	3/4"	14.5	12.5	20.5	15	68	37	0~0.6	0.8~1.4	707028	0.25
25C	M25	3/4"	M32	1"	19.5	17.0	26.0	15	77	45	0~0.7	1.0~1.7	707029	0.25
32A	M32	1"	M25	3/4"	14.5	12.5	20.5	15	68	45	0~0.6	0.8~1.4	707030	0.25
32B	M32	1"	M32	1"	19.5	17.0	26.0	15	77	45	0~0.7	1.0~1.7	707031	0.30
32C	M32	1"	M40	1 1/4"	25.5	22.0	33.0	15	81	54	0~0.8	1.0~1.7	707032	0.32
40A	M40	1 1/4"	M32	1"	19.5	17.0	26.0	19	77	54	0~0.7	1.0~1.7	707033	0.32
40B	M40	1 1/4"	M40	1 1/4"	25.5	22.0	33.0	19	81	54	0~0.8	1.0~1.7	707034	0.32
40C	M40	1 1/4"	M50	1 1/2"	31.0	28.0	41.0	19	88	65	0~1.0	1.0~2.0	707035	0.42
50A	M50	1 1/2"	M40	1 1/4"	25.5	22.0	33.0	19	81	65	0~0.8	1.0~1.7	707036	0.42
50B	M50	1 1/2"	M50	1 1/2"	31.0	28.0	41.0	19	88	65	0~1.0	1.0~2.0	707037	0.65
50C	M50	1 1/2"	M63	2"	37.0	36.0	52.5	19	96	77	0~1.0	1.0~2.0	707038	0.80
63A	M63	2"	M50	1 1/2"	31.0	28.0	41.0	19	88	77	0~1.0	1.0~2.0	707039	0.98
63B	M63	2"	M63	2"	37.0	36.0	52.5	19	96	77	0~1.0	1.0~2.0	707040	0.35
63C	M63	2"	M75	2 1/2"	49.0	46.0	65.0	19	114	93	0~1.2	1.5~2.7	707041	1.65
75A	M75	2 1/2"	M63	2"	37.0	36.0	52.5	19	96	90	0~1.0	1.0~2.0	707042	2.70
75B	M75	2 1/2"	M75	2 1/2"	55.0	46.0	65.0	19	114	93	0~1.2	1.5~2.7	707043	3.00
75C	M75	2 1/2"	M90	3"	NPT: 60.0 M/G: 64.0	57.0	78.0	19	119	110	0~1.5	2.0~3.5	707044	3.40
90	M90	3"	M115	4"	75.0	68.0	88.0	19	119	121	0~1.5	2.0~3.5	707045	4.00
115	M115	4"	M125	4 1/2"	90.0	83.0	103.0	19	125	137	0~1.5	2.0~3.5	707046	4.80

Note: 1. Standard material is nickel plated brass. Stainless steel is optional. Above weight is based upon nickel plated brass.
 2. Supplied with locknut and seal gasket.
 3. Earth lug and shroud on request. See P7/38~39.
 4. Metric threads are 1.5mm pitch as standard, others thread pitch can be customized, please specify when ordering.

