

Cable Glands

DQM-III Series Explosion-proof Cable Glands (Ex d IIC Ex e IIC)

Unarmored Compound Barrier



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 1, Groups A, B, C, D
- ◆ Ex d, Ex e structure; available in stainless steel or nickel plated brass.
- ◆ With sealing and sealing compound; suitable for unarmored cable.
- ◆ For particular use with: cables that exhibit "cold flow" characteristics.

Technical data

Explosion-proof cable glands

DQM-III (unarmored compound barrier)

Explosion protection

Global (IECEX)
Gas and dust

IECEX CQM 11.0028

Ex d IIC Gb
Ex e IIC Gb

Europe (ATEX)
Gas and dust

Ex tb IIIC Db IP66

Nemko 10 ATEX 1005X

⊕ II 2 G Ex d IIC Gb

⊕ II 2 G Ex e IIC Gb

⊕ II 2 D Ex tb IIIC Db IP66

Certificates

IECEX; ATEX; CU-TR

Conformity to standards

EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31

IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31

Gland material

Stainless steel or nickel plated brass

Degree of protection

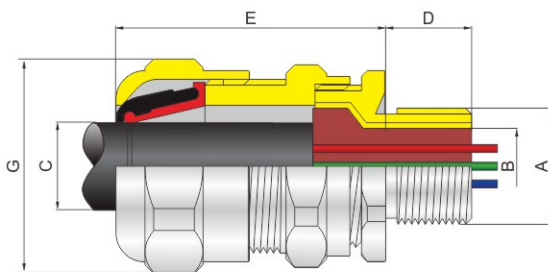
IP66 (IP67 optional)

Ambient temperature

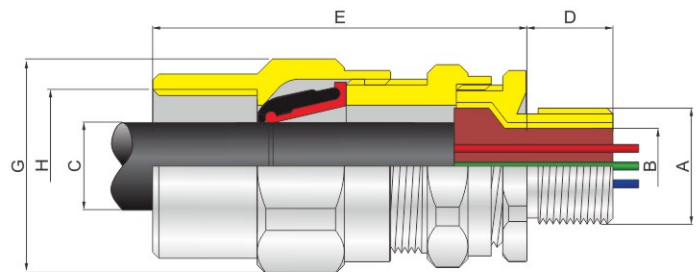
-20°C~+55°C(-60°C~+100°C optional)

Connection thread

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



Cable wiring



Steel pipe wiring

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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)	Ordering code	Weight (kg)
	Metric	NPT/G	Max	Min	Max						
20A	M20A	1/2"A	10	5.5	12	15	51	31	710001	0.10	
20B	M20B	1/2"B	13	9.0	16	15	51	31	710002	0.10	
25A	M25A	3/4"A	13	9.0	16	15	51	37	710003	0.12	
25B	M25B	3/4"B	18	12.5	20.5	15	53	37	710004	0.15	
32A	M32A	1"A	18	12.5	20.5	19	53	45	710005	0.17	
32B	M32B	1"B	24	17	26	19	58	45	710006	0.20	
40A	M40A	1 1/4"A	24	17	26	19	58	54	710007	0.22	
40B	M40B	1 1/4"B	30	22	33	19	62	54	710008	0.27	
50A	M50A	1 1/2"A	30	22	33	19	62	65	710009	0.40	
50B	M50B	1 1/2"B	37	28	41	19	69	65	710010	0.50	
63A	M63A	2"A	37	28	41	19	69	77	710011	0.80	
63B	M63B	2"B	47	36	52.5	19	77	77	710012	0.90	
75A	M75A	2 1/2"A	47	36	52.5	19	77	90	710013	2.30	
75B	M75B	2 1/2"B	55	46	65	19	95	93	710014	2.70	
90	M90	3"	60	57	78	19	100	121	710015	2.80	
115	M115	4"	70	68	88	19	106	137	710016	3.60	

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)	Ordering code	Weight (kg)
	Metric	NPT/G	Metric	NPT/G	Max	Min	Max						
20A	M20A	1/2"A	M20	1/2"	10	5.5	12	15	66	31	710017	0.12	
20B	M20B	1/2"B	M20	1/2"	13	9.0	16	15	66	31	710018	0.12	
25A	M25A	3/4"A	M20	1/2"	13	9.0	16	15	66	37	710019	0.15	
25B	M25B	3/4"B	M25	3/4"	18	12.5	20.5	15	68	37	710020	0.18	
32A	M32A	1"A	M25	3/4"	18	12.5	20.5	19	68	45	710021	0.21	
32B	M32B	1"B	M32	1"	24	17	26	19	77	45	710022	0.24	
40A	M40A	1 1/4"A	M32	1"	24	17	26	19	77	54	710023	0.29	
40B	M40B	1 1/4"B	M40	1 1/4"	30	22	33	19	81	54	710024	0.35	
50A	M50A	1 1/2"A	M40	1 1/4"	30	22	33	19	81	65	710025	0.50	
50B	M50B	1 1/2"B	M50	1 1/2"	37	28	41	19	88	65	710026	0.64	
63A	M63A	2"A	M50	1 1/2"	37	28	41	19	88	77	710027	0.98	
63B	M63B	2"B	M63	2"	47	36	52.5	19	96	77	710028	1.17	
75A	M75A	2 1/2"A	M63	2"	47	36	52.5	19	96	90	710029	2.60	
75B	M75B	2 1/2"B	M75	2 1/2"	55	46	65	19	114	93	710030	3.00	
90	M90	3"	M90	3"	60	57	78	19	119	121	710031	3.30	
115	M115	4"	M115	4"	70	68	88	19	125	137	710032	4.00	

Note: 1. Standard material is nickel plated brass. Stainless steel is optional. Above weight is based upon nickel plated brass.
 2. Earth lug and shroud on request. See P7/36~37.
 3. Metric threads are 1.5mm pitch as standard, others thread pitch can be customized, please specify when ordering.

