

Cable Glands

DQM-III/I Series Explosion-proof Cable Glands (Ex db IIC, Ex eb 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 20, Zone 21 and Zone 22
 - Class I, Zone 1 and Zone 2
 - Class I, Division 1, Groups A, B, C, D
- ◆ Ex db, Ex eb 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/I (unarmored compound barrier)

Explosion protection

Global (IECEX)
Gas and dust

IECEX TUR 22.0035X
Ex db IIC Gb (M and NPT thread)
Ex eb IIC Gb (M, NPT and G thread)
Ex ta IIIC Da (M and NPT thread)

Europe (ATEX)
Gas and dust

TÜV 22 ATEX 8855X
⊕ II 2 G Ex db IIC Gb (M and NPT thread)
⊕ II 2 G Ex eb IIC Gb (M, NPT and G thread)
⊕ II 1 D Ex ta IIIC Da (M and NPT thread)

Certificates

Conformity to standards

IECEX; ATEX; CU-TR
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

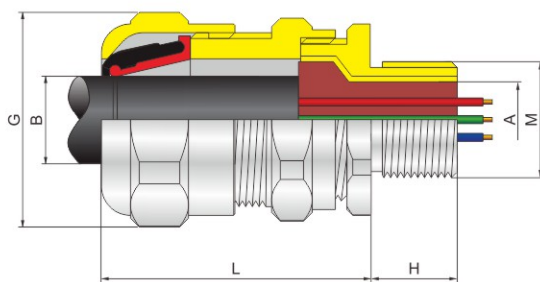
Degree of protection

Stainless steel or nickel plated brass
IP66/IP68 (unarmored cable gland M25×1.5 to M63×1.5 and NPT 1/2" to NPT 2")
IP66 (the other threads)

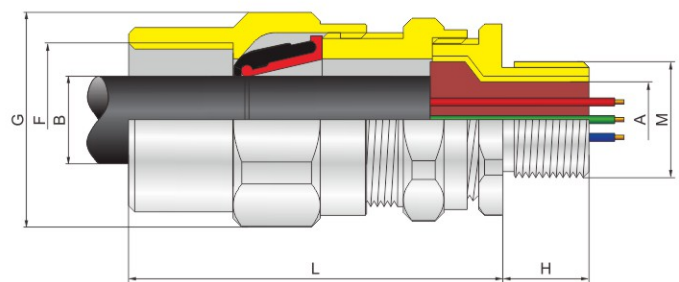
Ambient temperature

Connection thread

-60°C~+90°C
Metric thread is standard type; G thread or NPT thread is optional



Cable wiring
DQM-III/I-D



Steel pipe wiring
DQM-III/I-G

Cable Glands

DQM-III/I Series Explosion-proof Cable Glands (Ex db IIC, Ex eb IIC)

Unarmored Compound Barrier

Selection table of cable wiring (DQM-III/I-D)

Entry thread "M"		Spec. code	Cable outer diameter A (mm)		Cable outer diameter B (mm)		Minimum thread length H (mm)	Nominal protrusion length L (mm)	Across corners G (mm)	Ordering code	Weight (kg)
Metric	NPT/G		Max	Min	Max						
M20	1/2"	A	10	5.5	12	15	51	31	710001	0.10	
M20	1/2"	B	13	9.0	16	15	51	31	710002	0.10	
M25	3/4"	A	13	9.0	16	15	51	37	710003	0.12	
M25	3/4"	B	18	12.5	20.5	15	53	37	710004	0.15	
M32	1"	A	18	12.5	20.5	15	53	45	710005	0.17	
M32	1"	B	24	17	26	15	58	45	710006	0.20	
M40	1 1/4"	A	24	17	26	19	58	54	710007	0.22	
M40	1 1/4"	B	30	22	33	19	62	54	710008	0.27	
M50	1 1/2"	A	30	22	33	19	62	65	710009	0.40	
M50	1 1/2"	B	37	28	41	19	69	65	710010	0.50	
M63	2"	A	37	28	41	19	69	77	710011	0.80	
M63	2"	B	47	36	52.5	19	77	77	710012	0.90	
M75	2 1/2"	A	47	36	52.5	19	77	90	710013	2.30	
M75	2 1/2"	B	55	46	65	19	95	110	710014	2.70	
M90	3"	-	60	57	78	19	100	121	710015	2.80	
M115	4"	-	70	68	88	19	106	137	710016	3.60	

Selection table of steel pipe wiring (DQM-III/I-G)

Entry thread "M"		Entry thread "F"		Spec. code	Cable outer diameter A (mm)		Cable outer diameter B (mm)		Minimum thread length H (mm)	Nominal protrusion length L (mm)	Across corners G (mm)	Ordering code	Weight (kg)
Metric	NPT/G	Metric	NPT/G		Max	Min	Max						
M20	1/2"	M20	1/2"	A	10	5.5	12	15	66	31	710017	0.12	
M20	1/2"	M20	1/2"	B	13	9.0	16	15	66	31	710018	0.12	
M25	3/4"	M20	1/2"	A	13	9.0	16	15	66	35	710019	0.15	
M25	3/4"	M25	3/4"	B	18	12.5	20.5	15	68	37	710020	0.18	
M32	1"	M25	3/4"	A	18	12.5	20.5	15	68	42	710021	0.21	
M32	1"	M32	1"	B	24	17	26	15	77	45	710022	0.24	
M40	1 1/4"	M32	1"	A	24	17	26	19	77	54	710023	0.29	
M40	1 1/4"	M40	1 1/4"	B	30	22	33	19	81	54	710024	0.35	
M50	1 1/2"	M40	1 1/4"	A	30	22	33	19	81	65	710025	0.50	
M50	1 1/2"	M50	1 1/2"	B	37	28	41	19	88	65	710026	0.64	
M63	2"	M50	1 1/2"	A	37	28	41	19	88	77	710027	0.98	
M63	2"	M63	2"	B	47	36	52.5	19	96	77	710028	1.17	
M75	2 1/2"	M63	2"	A	47	36	52.5	19	96	90	710029	2.60	
M75	2 1/2"	M75	2 1/2"	B	55	46	65	19	114	110	710030	3.00	
M90	3"	M90	3"	-	60	57	78	19	119	121	710031	3.30	
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, shroud and cable clamp on request. See P6/47-48.
 3. Metric threads are 1.5mm pitch as standard, others thread pitch can be customized, please specify when ordering.

