

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 sealring 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
Ex II 2 G Ex db IIC Gb (M and NPT thread)
Ex II 2 G Ex eb IIC Gb (M, NPT and G thread)
Ex II 2 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

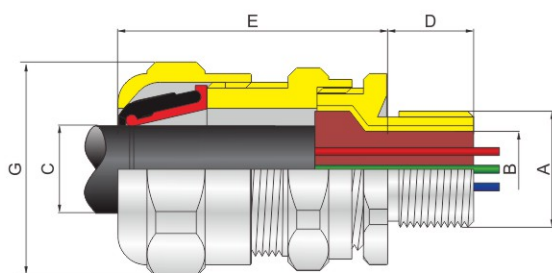
Degree of protection

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)

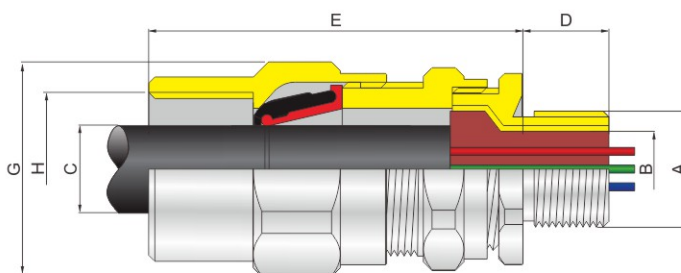
Ambient temperature

Connection thread

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



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Unarmored Compound Barrier

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	15	53	45	710005	0.17
32B	M32B	1"B	24	17	26	15	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	110	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	15	68	45	710021	0.21
32B	M32B	1"B	M32	1"	24	17	26	15	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	110	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 P7/38~39.
 3. Metric threads are 1.5mm pitch as standard, others thread pitch can be customized, please specify when ordering.

