

Cable Glands

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

Armored Dual Seal



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.
- ◆ Dual seal, suitable for both armored and unarmored cable.
- ◆ EMC Cable Gland. (360° contact) - EMC tested.
- ◆ For particular use with: cables that exhibit "cold flow" characteristics.

Technical data

Explosion-proof cable glands DQM-II (armored dual seal)

Explosion protection

Global (IECEX)
Gas and dust

IECEX LCI 08.0011X
Ex d IIC Gb
Ex e IIC Gb

Europe (ATEX)
Gas and dust

Ex tb IIIC Db IP66
LCIE 06 ATEX 6100X
⊕ 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

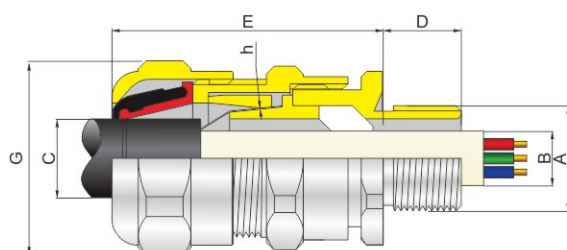
IP66 (IP67 optional)

Ambient temperature

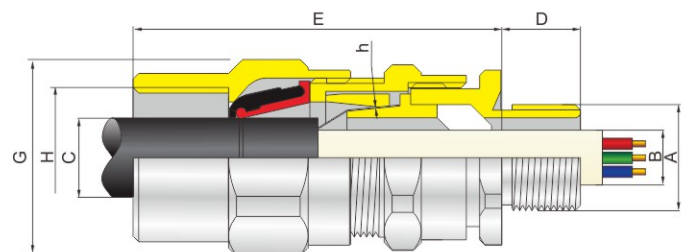
-60°C~+100°C

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)
			Standard Seal		Alternative Seal		Min	Max				X	W		
	Metric	NPT/G	Min	Max	Min	Max			Min	Max					
20A	M20	1/2"	4.0	8.0	-	-	5.5	12.0	15	59	31	0~0.6	0.8~1.4	709001	0.12
20B	M20	1/2"	6.5	10.5	-	-	9.0	16.0	15	59	31	0~0.6	0.8~1.4	709002	0.15
20C	M20	1/2"	10	14.5	8	12.0	12.5	20.5	15	61	37	0~0.6	0.8~1.4	709003	0.15
25A	M25	3/4"	6.5	10.5	-	-	9.0	16.0	15	59	37	0~0.6	0.8~1.4	709004	0.15
25B	M25	3/4"	10.0	14.5	8	12.0	12.5	20.5	15	61	37	0~0.6	0.8~1.4	709005	0.19
25C	M25	3/4"	14.5	19.5	11	15.5	17.0	26.0	15	68	45	0~0.7	1.0~1.7	709006	0.18
32A	M32	1"	10	14.5	8	12.0	12.5	20.5	19	61	45	0~0.6	0.8~1.4	709007	0.18
32B	M32	1"	14.5	19.5	11	15.5	17.0	26.0	19	68	45	0~0.7	1.0~1.7	709008	0.22
32C	M32	1"	19	25.5	17	21.5	22.0	33.0	19	76	54	0~0.8	1.0~1.7	709009	0.30
40A	M40	1 1/4"	14.5	19.5	11	15.5	17.0	26.0	19	68	54	0~0.7	1.0~1.7	709010	0.30
40B	M40	1 1/4"	19.0	25.5	17	21.5	22.0	33.0	19	76	54	0~0.8	1.0~1.7	709011	0.40
40C	M40	1 1/4"	25.0	32.0	22.0	28.0	28.0	41.0	19	83	65	0~1.0	1.0~2.0	709012	0.40
50A	M50	1 1/2"	19.0	25.5	17	21.5	22.0	33.0	19	76	65	0~0.8	1.0~1.7	709013	0.40
50B	M50	1 1/2"	25.0	32.0	22.0	28.0	28.0	41.0	19	83	65	0~1.0	1.0~2.0	709014	0.60
50C	M50	1 1/2"	31.5	39.0	27.5	35.0	36.0	52.5	19	101	77	0~1.0	1.0~2.0	709015	0.80
63A	M63	2"	25.0	32.0	22.0	28.0	28.0	41.0	19	83	77	0~1.0	1.0~2.0	709016	0.90
63B	M63	2"	31.5	39.0	27.5	35.0	36.0	52.5	19	101	77	0~1.0	1.0~2.0	709017	1.00
63C	M63	2"	42.5	50.0	39.0	46.5	46.0	65.0	19	112	93	0~1.2	1.5~2.7	709018	1.20
75A	M75	2 1/2"	31.5	39.0	27.5	35.0	36.0	52.5	19	101	90	0~1.0	1.0~2.0	709019	2.50
75B	M75	2 1/2"	42.5	55.5	39.0	46.5	46.0	65.0	19	112	93	0~1.2	1.5~2.7	709020	2.80
75C	M75	2 1/2"	54.5	64.0	48.5	58.0	57.0	78.0	19	119	110	0~1.5	2.0~3.5	709021	2.90
90	M90	3"	63.0	75.0	-	-	68.0	88.0	19	121	121	0~1.5	2.0~3.5	709022	3.90
115	M115	4"	75.0	90.0	-	-	83.0	103.0	19	126	137	0~1.5	2.0~3.5	709023	4.55

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	Standard Seal		Alternative Seal		Min	Max				X	W		
					Min	Max	Min	Max			Min	Max					
20A	M20	1/2"	M20	1/2"	4.0	8.0	-	-	5.5	12.0	15	74	31	0~0.6	0.8~1.4	709024	0.15
20B	M20	1/2"	M20	1/2"	6.5	10.5	-	-	9.0	16.0	15	74	31	0~0.6	0.8~1.4	709025	0.20
20C	M20	1/2"	M25	3/4"	10	14.5	8	12	12.5	20.5	15	96	37	0~0.6	0.8~1.4	709026	0.20
25A	M25	3/4"	M20	1/2"	6.5	10.5	-	-	9.0	16.0	15	74	37	0~0.6	0.8~1.4	709027	0.20
25B	M25	3/4"	M25	3/4"	10	14.5	8	12	12.5	20.5	15	76	37	0~0.6	0.8~1.4	709028	0.24
25C	M25	3/4"	M32	1"	14.5	19.5	11	15.5	17.0	26.0	15	83	45	0~0.7	1.0~1.7	709029	0.27
32A	M32	1"	M25	3/4"	10	14.5	8	12	12.5	20.5	19	76	45	0~0.6	0.8~1.4	709030	0.28
32B	M32	1"	M32	1"	14.5	19.5	11	15.5	17.0	26.0	19	87	45	0~0.7	1.0~1.7	709031	0.27
32C	M32	1"	M40	1 1/4"	19	25.5	17	21.5	22.0	33.0	19	95	54	0~0.8	1.0~1.7	709032	0.33
40A	M40	1 1/4"	M32	1"	14.5	19.5	11	15.5	17.0	26.0	19	87	54	0~0.7	1.0~1.7	709033	0.33
40B	M40	1 1/4"	M40	1 1/4"	19.0	25.5	17	21.5	22.0	33.0	19	95	54	0~0.8	1.0~1.7	709034	0.36
40C	M40	1 1/4"	M50	1 1/2"	25.0	32.0	22.0	28.0	28.0	41.0	19	103	65	0~1.0	1.0~2.0	709035	0.45
50A	M50	1 1/2"	M40	1 1/4"	19.0	25.5	17	21.5	22.0	33.0	19	95	65	0~0.8	1.0~1.7	709036	0.45
50B	M50	1 1/2"	M50	1 1/2"	25.0	32.0	22.0	28.0	28.0	41.0	19	103	65	0~1.0	1.0~2.0	709037	0.70
50C	M50	1 1/2"	M63	2"	31.5	39.0	27.5	35.0	36.0	52.5	19	118	77	0~1.0	1.0~2.0	709038	0.85
63A	M63	2"	M50	1 1/2"	25.0	32.0	22.0	28.0	28.0	41.0	19	103	77	0~1.0	1.0~2.0	709039	1.20
63B	M63	2"	M63	2"	31.5	39.0	27.5	35.0	36.0	52.5	19	118	77	0~1.0	1.0~2.0	709040	1.50
63C	M63	2"	M75	2 1/2"	42.5	50.0	39.0	46.5	46.0	65.0	19	131	93	0~1.2	1.5~2.7	709041	1.80
75A	M75	2 1/2"	M63	2"	31.5	39.0	27.5	35.0	36.0	52.5	19	118	90	0~1.0	1.0~2.0	709042	2.80
75B	M75	2 1/2"	M75	2 1/2"	42.5	55.5	39.0	46.5	46.0	65.0	19	131	93	0~1.2	1.5~2.7	709043	3.10
75C	M75	2 1/2"	M90	3"	54.5	64.0	48.5	58.0	57.0	78.0	19	138	110	0~1.5	2.0~3.5	709044	3.50
90	M90	3"	M115	4"	63.0	75.0	-	-	68.0	88.0	19	140	121	0~1.5	2.0~3.5	709045	4.10
115	M115	4"	M125	4 1/2"	75.0	90.0	-	-	83.0	103.0	19	145	137	0~1.5	2.0~3.5	709046	4.90

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.

