

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

⊕ II 2 G Ex e IIC Gb

⊕ 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

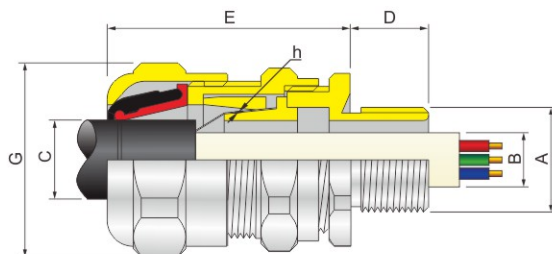
IP66 / IP67

Ambient temperature

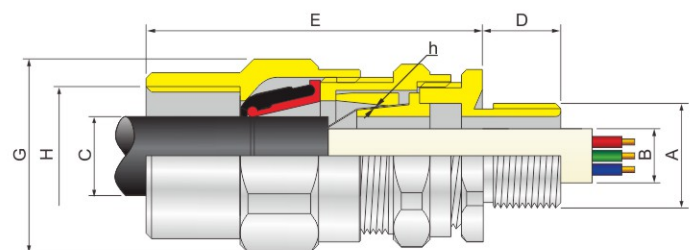
-60°C ~ +100°C

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 | 19 | 53 | 45 | 0~0.6 | 0.8~1.4 | 707007 | 0.20 | |
| 32B | M32 | 1" | 19.5 | 17.0 | 26.0 | 19 | 58 | 45 | 0~0.7 | 1.0~1.7 | 707008 | 0.26 | |
| 32C | M32 | 1" | 25.5 | 22.0 | 33.0 | 19 | 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" | 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 | 66 | 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 | 73 | 45 | 0~0.7 | 1.0~1.7 | 707029 | 0.25 | |
| 32A | M32 | 1" | M25 | 3/4" | 14.5 | 12.5 | 20.5 | 19 | 68 | 45 | 0~0.6 | 0.8~1.4 | 707030 | 0.25 | |
| 32B | M32 | 1" | M32 | 1" | 19.5 | 17.0 | 26.0 | 19 | 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 | 19 | 77 | 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 | 89 | 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 | 97 | 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 | 86 | 77 | 0~1.0 | 1.0~2.0 | 707039 | 0.98 | |
| 63B | M63 | 2" | M63 | 2" | 37.0 | 36.0 | 52.5 | 19 | 97 | 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 | 112 | 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 | 112 | 93 | 0~1.2 | 1.5~2.7 | 707043 | 3.00 | |
| 75C | M75 | 2 1/2" | M90 | 3" | 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 P7/36~37.
 4. Metric threads are 1.5mm pitch as standard, others thread pitch can be customized, please specify when ordering.

