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| 5311 2530 Internal | DATA SHEET |  |
| Valid from: 02.05.2025 | SKINTOP® MS-HF-M SC | |

The SKINTOP® MS-HF-M SC is a nickel-plated brass cable gland especially designed for copper-screened cables and is used to achieve a low-resistance screen contact, strain relief and high protection class. The gland is not qualified for cases where it is necessary to twist a cable gland after inserting the cable (e.g. circular connectors).



Material:

| | |
|---------------------------|--|
| Gland body | Brass, nickel-plated |
| Cap nut | Brass, nickel-plated |
| Insert with lamellar cage | Polyamide 6 |
| Seal insert | Elastomer, halogen-free, flame-retardant |
| Contact spring | CuBe, tin-plated |
| O-Ring | HNBR |

Technical Features:

| | |
|-------------------|---|
| Connecting thread | M12x1,5 up to M50x1,5 acc. to EN 60423 |
| Protection class | IP68 – 10bar/30min acc. to EN 60529 |
| Strain relief | Categories A acc. to EN 62444 |
| Design | ST = Standard |
| Temperature range | Dynamic -25°C up to +100°C Static -40°C up to +100°C |

Additional features:

| | |
|----------------------------|--------------------------------------|
| Fire Classification | V0 acc. to UL 94 |
| Free of Halogen | |
| Hazard Level | HL3 (R22 and R23) acc. to EN 45545-2 |
| Fire resistance | E30 acc. to EN 45545-3 |
| Transfer impedance | ≤ 10 mOhm |
| Shielding attenuation | up to 98dB |
| Corrosion-protection class | C4 |

Reference Standards:



EN 62444

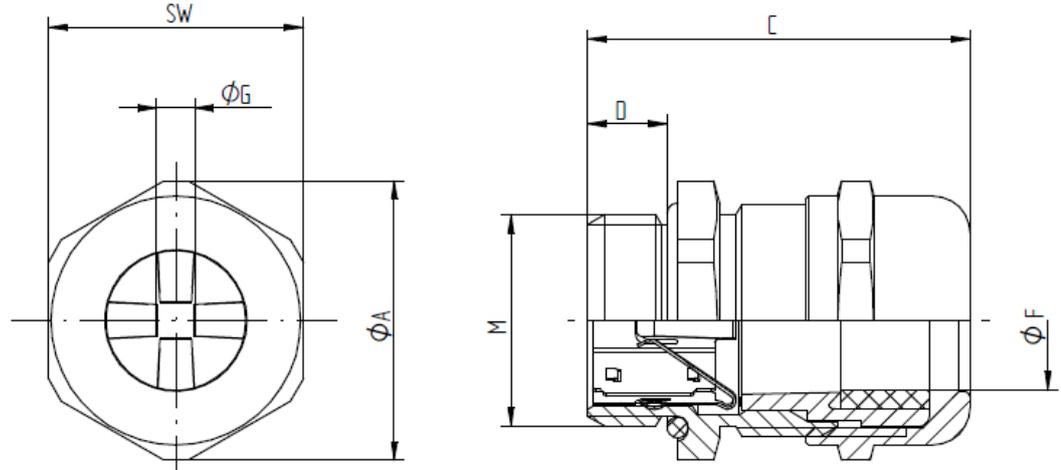
Suitable accessories:

SKINDICHT® SM-PE-M

AbN
automation

For more information please see our current catalogue. Please do not hesitate to contact our laboratory if there are any questions regarding resistance against aggressive agents and special oil.

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SKINTOP® MS-HF-M SC

| M | SW [mm] | Ø A [mm] | C max. [mm] | D [mm] | Ø F [mm] Clamping range | Ø G [mm] | O-Ring [mm] | Article No. |
|---------|---------|----------|-------------|--------|-------------------------|----------|-------------|-------------|
| M12x1,5 | 16 | 17,6 | 26,5 | 6,5 | 3,5-7 | 1-5 | 9x2 | 5311 2530 |
| M16x1,5 | 20 | 22,0 | 33,0 | 7,0 | 4,5-9 | 4-7 | 13x2 | 5311 2531 |
| M20x1,5 | 24 | 26,4 | 37,0 | 8,0 | 7-13 | 5-11 | 17x2 | 5311 2532 |
| M25x1,5 | 29 | 31,9 | 38,5 | 8,0 | 9-17 | 7,5-15 | 22x2 | 5311 2533 |
| M32x1,5 | 36 | 39,6 | 45,5 | 9,0 | 11-21 | 9-19 | 28x2 | 5311 2534 |
| M40x1,5 | 45 | 49,5 | 48,0 | 9,0 | 19-28 | 15-26 | 36x2 | 5311 2535 |
| M50x1,5 | 54 | 59,0 | 55,5 | 10,0 | 27-35 | 21-33 | 46x2 | 5311 2536 |

Recommended torque rates in acc. to EN 62444:

| Sizes | Torque [Nm] |
|-------------------|-------------|
| M12x1,5 | 8 |
| M16x1,5 | 10 |
| M20x1,5 - M25x1,5 | 12 |
| M32x1,5 - M40x1,5 | 18 |
| M50x1,5 | 20 |

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