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| 53112527                  | <b>DATA SHEET</b>             |  |
| Valid from:<br>02.05.2025 | <b>SKINTOP® MS-M XL BRUSH</b> |                                                                                     |

The SKINTOP® MS-M XL BRUSH a nickel-plated brass cable gland especially designed for copper-screened cables, used to achieve a low-resistance screen contact, strain relief and high protection class.  
The SKINTOP® MS-M XL BRUSH contacts the screen much faster than any other system.



### Components:

|                           |                             |
|---------------------------|-----------------------------|
| Gland body                | Brass, nickel-plated        |
| Cap nut                   | Brass, nickel-plated        |
| Insert with lamellar cage | Polyamide, V2 acc. to UL 94 |
| Sealing ring              | CR                          |
| Contact brush             | Brass wire                  |
| O-ring                    | NBR                         |

### Technical features:

|                                     |                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connecting thread                   | M16x1,5 up to M63x1.5 acc. to DIN EN 60423                                                                                                                                                                                                                                                                                                           |
| Protection class / NEMA Type Rating | IP66 acc. to DIN EN 60529<br>IP68 – 10 bar / 30min for M20x1,5 up to M50x1,5 acc. to DIN EN 60529<br>IP68 – 5 bar / 30min for M63x1,5 acc. to DIN EN 60529<br>IP68 – 1bar / 30min for M63x1,5 plus acc. to DIN EN 60529<br>IP69 acc. to EN 60529 (except for M63x1.5 plus)<br>Type1, Type4X, Type6 and Type12 acc. to UL 50 E, CSA C22.2 No. 94.2-15 |
| Strain relief                       | Category A acc. to DIN EN 62444                                                                                                                                                                                                                                                                                                                      |
| Temperature range                   | Dynamic     -25 °C up to +100 °C<br>Static        -40 °C up to +100 °C                                                                                                                                                                                                                                                                               |
| Transfer impedance                  | ≤ 10 mOhm                                                                                                                                                                                                                                                                                                                                            |
| Corrosion protection                | Salt spray test (168 H. / 35°C) acc. to DIN EN ISO 9227                                                                                                                                                                                                                                                                                              |

### Approvals:



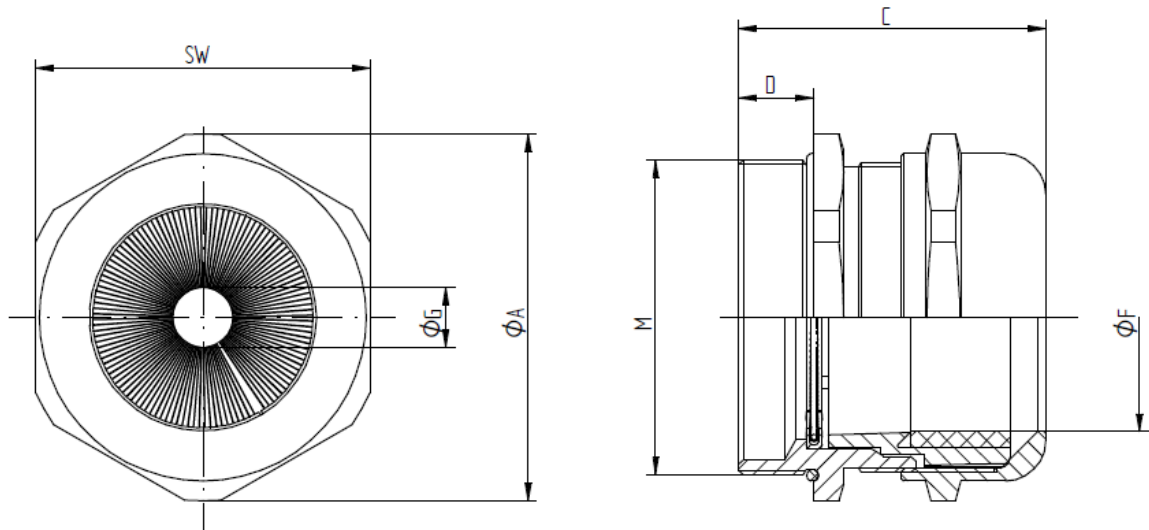
UL File Nr. E79903  
(Test in acc. to UL514B)

### Norm references:



|                                     |                                       |             |
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| M       | SW<br>[mm] | $\phi A$<br>[mm] | C<br>max.<br>[mm] | D<br>[mm] | $\phi F$ [mm]<br>Clamping<br>range | $\phi G$ [mm]<br>Over<br>braiding | O-Ring<br>[mm] | Article<br>No. |
|---------|------------|------------------|-------------------|-----------|------------------------------------|-----------------------------------|----------------|----------------|
| M16x1,5 | 20         | 22               | 38                | 12        | 4,5-10                             | 2-6                               | 13x2           | 5311 2516      |
| M20x1,5 | 24         | 26,4             | 41                | 12        | 7 - 13                             | 3 - 9                             | 17x2           | 5311 2527      |
| M25x1,5 | 29         | 31,9             | 42,5              | 12        | 9-17                               | 6-13,5                            | 22x2           | 5311 3727      |
| M32x1,5 | 36         | 39,6             | 51,5              | 15        | 11-21                              | 8-18                              | 28x2           | 5311 3728      |
| M40x1,5 | 45         | 49,5             | 54,0              | 15        | 19-28                              | 10-26                             | 36x2           | 5311 3729      |
| M50x1,5 | 54         | 59,0             | 60,5              | 15        | 27-35                              | 14-33                             | 46x2           | 5311 2673      |

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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