

## SKINTOP® MS-HF-M BRUSH

### Info

Cable gland for railway applications

Hazard Level: HL 3



Rail



Flame-retardant



Halogen-free



Reliability



Interference signals

### Benefits

Optimum EMC protection thanks to the unique 360° brass brush, which creates a low-resistance contact between the copper braided screening and the gland.

Reliable EMC protection is guaranteed even after dismantling and reinstallation, as the copper braided screening is not damaged by the brass brush.

Halogen free materials make the product suitable for use in public areas.

Safe, fast and uncomplicated installation.

### Application range

For EMC-compliant insertion of copper-shielded cables.

For use in control systems, motors and frequency converters.

Can be used in rail vehicles in compliance with standards (fire behaviour test according to DIN EN 45545-2:2016-02, requirement sets R22 and R23, hazard levels HL1, HL2 and HL3).

Last Update (09.10.2025)

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You can find the current technical data in the corresponding data sheet.

PN 0456 / 02\_03.16

## SKINTOP® MS-HF-M BRUSH

Suitable for outdoor use, taking into account the temperature range.

For painted, anodised or powder-coated housings, use the SKINDICHT® SM-PE-M lock nut for equipotential bonding.

### Norm references / Approvals

DIN EN 45545-2 (HL3)

DIN EN 45545-3 (E30)

### Product Make-up

Metric connection thread acc. to DIN EN 60423

Basis for technical information DIN IEC 62444

### Note

SKINDICHT® SM-PE-M counter nut should be used to ensure optimum contact with painted, anodised or powder-coated housings

### Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000441 ETIM 5.0 Class-Description: Cable screw gland
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000441 ETIM 6.0 Class-Description: Cable screw gland
Caution:	Refer to Appendix T21 for the installation dimensions and torques
Material:	Body: nickel plated brass Insert: halogen-free polyamide acc. to UL 94 V0 EMC-brush: brass wire Sealing: special elastomere O-ring: special elastomere
Protection rating:	IP 68 - 5 bar
Temperature range:	Dynamic: -25°C up to +100°C Fixed: -40°C to +100°C

### Note

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

**SKINTOP® MS-HF-M BRUSH**

Article number	Article designation / size	Ø F mm	Minimum Ø above braiding (mm)	SW wrench size mm	Overall length C mm	Thread length D mm	Pieces / PU
SKINTOP® MS-HF-M BRUSH							
53112541	M 16 x 1,5	4.5 - 10	2	20	31	7	25
53112542	M 20 x 1,5	7 - 13	3	24	33	8	25
53112543	M 25 x 1,5	9 - 17	6	29	37	8	10
53112544	M 32 x 1,5	11 - 21	8	36	42.2	9	5
53112545	M 40 x 1,5	19 - 28	10	45	49.5	9	5
53112546	M 50 x 1,5	27 - 35	14	54	52.0	10	5
53112547	M 63 x 1,5	34 - 45	20	67	61.3	15	1

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