

5311 2530 Internal	DATA SHEET	
Valid from: 29.07.2025	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 – 5bar/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	
Transfer impedance	≤ 10 mOhm
Shielding attenuation	up to 98dB
Corrosion-protection class	C4

Norm



Reference:

Tested in according to:

DIN EN 45545-2: 2016-02 & 2020-10
 “Railway applications – Fire protection to railway vehicles – Part 2: Requirements for fire behavior of materials and components.”
 Test result: Hazard Level **HL3** acc. to DIN EN ISO 4589-2: 2006-06

DIN EN 45545-3: 2013-08
 „Railway applications – Fire protection to railway vehicles – Part 3: Fire resistance requirements for fire barriers.“
 Classification: **E30** acc. to DIN EN 13501-2: 2010-02

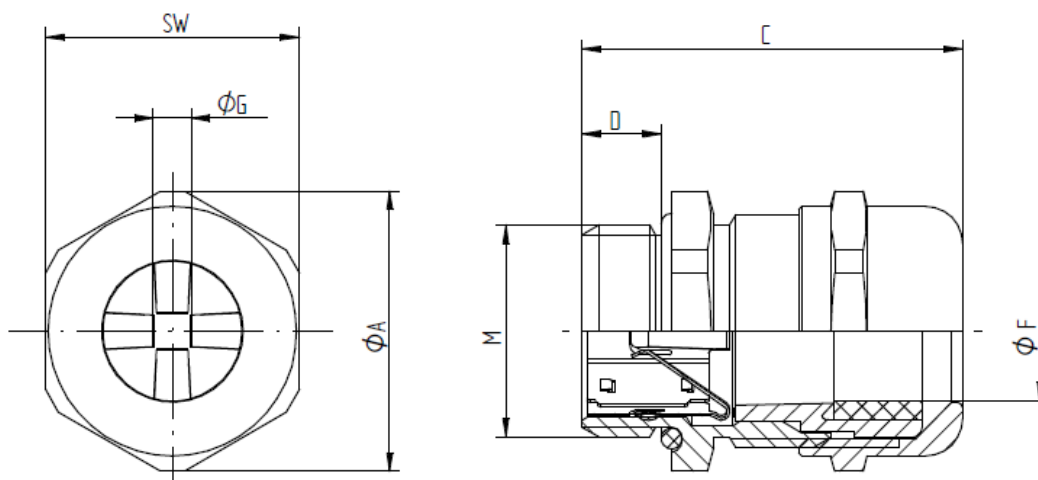
Suitable accessories:

SKINDICHT® SM-PE-M

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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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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