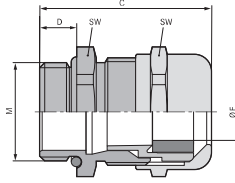


SKINTOP® metric nickel-plated brass cable glands • SKINTOP® MS-M



SKINTOP® MS-M / SKINTOP® MSR-M



SKINTOP® MS-M

SKINTOP® MSR-M

Benefits

SKINTOP® MS-M

- Maximum reliability
- Optimum strain relief
- Wide, variable clamping ranges
- For cable diameters up to 98 mm

Application range

SKINTOP® MS-M

- In areas where mechanical and chemical stability are critical
- Chemical industry
- Measurement and control technology
- Machine and equipment manufacturing
- Plant engineering

SKINTOP® MSR-M

- With reducing seal insert, to seal cables with smaller outer diameters.

Norm references / Approvals

- UL File Nr. E79903

Product Make-up

- Metric connection thread acc. to DIN EN 60423
- Basis for technical information EN 50262

Note

- Counter nut to be used: SKINDICHT® SM-M
- Refer to SKINTOP® metric accessories for suitable accessories

Info

- SKINTOP® MS-M sizes 75 x 1.5 to 110 x 2 with innovative double lamella gasket for easier assembling of cables with large diameters.
- Now with IP69 approval! Proven to withstand the most demanding cleaning procedures for industrial machinery with high-pressure cleaners and hot water!

Technical data



Classification

ETIM 5.0 Class-ID: EC000441
ETIM 5.0 Class-Description:
Cable screw gland



Caution

Refer to Appendix T21 for the installation dimensions and torques



Certifications

IP 69 approval from size M75 x 1.5 pending.
UL, CSA, DNV and VDE approval for sizes M90 x 2 to M110 x 2 pending.



Material

Body: nickel-plated brass
Insert: polyamide
Sealing ring: CR
O-ring: NBR



Protection rating

IP 68
IP 69 (M12 - M63)



Temperature range

dynamic -25°C up to + 100°C
Fixed: -40°C to +100°C

Article number	Article designation / size	Clamping range ØF (mm)	SW wrench size mm	Overall length, C (mm)	Thread length, D (mm)	Pieces / PU
SKINTOP® MS-M/SKINTOP® MSR-M						
53112000	12 x 1,5	3-7	16	26.5	6.5	100
53112010	16 x 1,5	4,5-10	20	32.0	7	100
53112020	20 x 1,5	7-13	24	35.5	8	50
53112030	25 x 1,5	9-17	29	37.5	8	25
53112040	32 x 1,5	11-21	36	42.2	9	25
53112050	40 x 1,5	19-28	45	49.5	9	10
53112060	50 x 1,5	27-35	54	52.0	10	5
53112070	63 x 1,5	34-45	67	61.3	15	5
53112080	63 x 1,5 plus	44-55	75	65.5	15	5
53112510	75 x 1,5	58-68	95	105.0	15	1
53112512	90 x 2	66-78	115	136.0	20	1
53112514	110 x 2	86-98	135	154.0	25	1
SKINTOP® MSR-M						
53112100	12 x 1,5	1-5	16	26.5	6.5	100
53112110	16 x 1,5	2-7	20	32.0	7	100
53112120	20 x 1,5	5-10	24	35.5	8	50
53112130	25 x 1,5	6-13	29	37.5	8	25
53112140	32 x 1,5	7-15	36	42.2	9	25
53112150	40 x 1,5	15-23	45	49.5	9	10
53112160	50 x 1,5	22-29	54	52.0	10	5
53112170	63 x 1,5	28-39	67	61.3	15	5
53112511	75 x 1,5	53-63	95	105.0	15	1
53112515	110 x 2	76-88	135	154.0	25	1

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

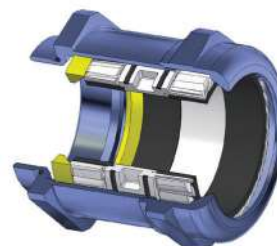
Accessories

SKINTOP® MS-M

- SKINDICHT® SM-M refer to page 763
- SKINTOP® DIX-M refer to page 740
- SKINMATIC® MH Set refer to page 782
- SKINTOP® DIX-M AUTOMATION refer to page 741
- SKINTOP® SDV-M ATEX refer to page 731
- SKINTOP® SD-M refer to page 742
- SKINTOP® DV-M refer to page 742

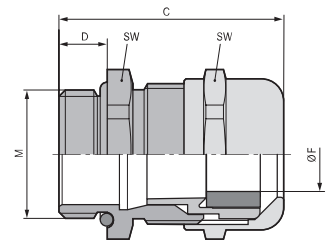
SKINTOP® MSR-M

- SKINDICHT® SM-M refer to page 763
- SKINTOP® DIX-M refer to page 740
- SKINMATIC® MH Set refer to page 782





SKINTOP® MS-M-XL / SKINTOP® MSR-M-XL



Benefits

SKINTOP® MS-M-XL

- Especially for thick walls
- Maximum reliability
- Optimum strain relief
- Wide, variable clamping ranges

SKINTOP® MSR-M-XL

- For the benefits, refer to SKINTOP® MS-M-XL

Application range

SKINTOP® MS-M-XL

- With long connection thread for applications involving a thicker wall.

SKINTOP® MSR-M-XL

- With reducing seal insert, to seal cables with smaller outer diameters.

Norm references / Approvals

- UL File Nr. E79903

Product Make-up

- Metric connection thread acc. to DIN EN 60423
- Basis for technical information EN 50262

Note

- Counter nut to be used: SKINDICHT® SM-M
- Refer to SKINTOP® metric accessories for suitable accessories

Technical data



Classification

ETIM 5.0 Class-ID: EC000441
ETIM 5.0 Class-Description: Cable screw gland



Caution

Refer to Appendix T21 for the installation dimensions and torques



Material

Body: nickel-plated brass
Insert: polyamide
Sealing ring: CR
O-ring: NBR



Protection rating

IP 68 - 10 bar
IP 69



Temperature range

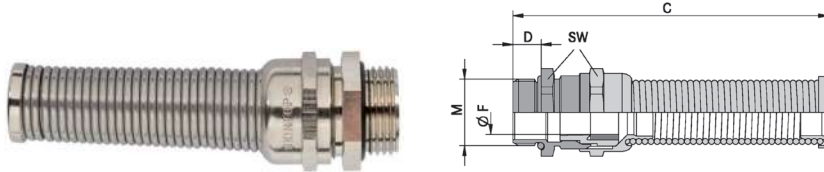
dynamic -25°C up to + 100°C
Fixed: -40°C to +100°C

Article number	Article designation / size	Clamping range ØF (mm)	SW wrench size mm	Overall length, C (mm)	Thread length, D (mm)	Pieces / PU
SKINTOP® MS-M-XL						
53112005	12 x 1,5	3-7	16	32.8	12	100
53112015	16 x 1,5	4,5-10	20	37.0	12	50
53112025	20 x 1,5	7-13	24	39.5	12	50
53112035	25 x 1,5	9-17	29	41.5	12	25
53112045	32 x 1,5	11-21	36	48.2	15	25
53112055	40 x 1,5	19-28	45	53.5	15	10
53112065	50 x 1,5	27-35	54	57.0	15	5
SKINTOP® MSR-M-XL						
53112105	12 x 1,5	1-5	16	32.8	12	100
53112115	16 x 1,5	2-7	20	37.0	12	50
53112125	20 x 1,5	5-10	24	39.5	12	50
53112135	25 x 1,5	6-13	29	41.5	12	25
53112145	32 x 1,5	7-15	36	48.2	15	25
53112155	40 x 1,5	15-23	45	53.5	15	10
53112165	50 x 1,5	22-29	54	57.0	15	5

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



SKINTOP® BS-M METAL / SKINTOP® BSR-M METAL



Info

- Permanent bending protection under high mechanical stress

Benefits

- High mechanical stability
- Long service life
- Optimum strain relief
- Wide, variable clamping ranges
- Maximum reliability

Application range

- In areas where mechanical stability are critical
- Portable equipment
- Building sites
- Machine and equipment manufacturing
- Typical fields of application
 - Steel and glass works
 - Cement and ceramic works
 - Foundries
 - Shipbuilding industry
 - Furnace construction

Norm references / Approvals

- Cables for electrical appliances and machinery that are moved under normal use must be protected against excessive bending as required in accordance with VDE 0700-1

Product Make-up

- Metric connection thread acc. to DIN EN 60423
- Basis for technical information EN 50262

Note

- Counter nut to be used: SKINDICHT® SM-M
- Refer to SKINTOP® metric accessories for suitable accessories

Technical data

Classification
ETIM 5.0 Class-ID: EC000441
ETIM 5.0 Class-Description: Cable screw gland

Caution
Refer to Appendix T21 for the installation dimensions and torques

Material
Body: nickel-plated brass
Insert: polyamide
Sealing ring: CR
O-ring: NBR
Spiral - springs made of stainless steel

Protection rating
IP 68 - 10 bar
IP 69

Temperature range
dynamic -25°C up to + 100°C
static -40°C up to +100°C

Article number	Article designation / size	Clamping range ØF (mm)	Thread length, D (mm)	SW wrench size mm	Overall length, C (mm)	Pieces / PU
SKINTOP® BS-M METAL						
53806759	12 x 1,5	3,5-7	6,5	16	65,0	25
53806760	16 x 1,5	4,5-10	7	20	79,0	25
53806761	20 x 1,5	7-13	8,5	24	95,0	25
53806762	25 x 1,5	9-17	8	29	109,0	25
SKINTOP® BSR-M METAL						
53806769	12 x 1,5	1-5	6,5	16	65,0	25
53806770	16 x 1,5	2-7	7	20	79,0	25
53806771	20 x 1,5	5-10	8,5	24	95,0	25
53806772	25 x 1,5	6-13	8	29	109,0	25

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

Accessories

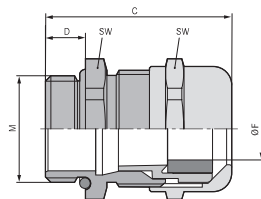
- SKINDICHT® SM-M refer to page 763
- SKINTOP® DIX-M refer to page 740
- SKINMATIC® MH Set refer to page 782
- SKINTOP® DIX-M AUTOMATION refer to page 741



SKINTOP® COLD / SKINTOP® COLD-R

Info

- For extreme sub-zero temperatures



Benefits

SKINTOP® COLD

- High cold-resistance
- Cold impact resistance
- High mechanical stability
- Optimum strain relief
- Wide, variable clamping ranges

SKINTOP® COLD-R

- For the benefits, refer to SKINTOP® COLD

Application range

SKINTOP® COLD

- In areas where mechanical stability and high cold-resistance are critical
- Air-conditioning technology
- Freezing plants, cold storage
- Offshore sector
- Plant engineering

SKINTOP® COLD-R

- With reducing seal insert, to seal cables with smaller outer diameters.

Product Make-up

- Metric connection thread acc. to DIN EN 60423
- Basis for technical information EN 50262

Note

- Counter nut to be used: SKINDICHT® SM-M
- Refer to SKINTOP® metric accessories for suitable accessories

Technical data



Classification

ETIM 5.0 Class-ID: EC000441
ETIM 5.0 Class-Description: Cable screw gland



Caution

Refer to Appendix T21 for the installation dimensions and torques



Material

Body: nickel-plated brass
Insert: special polyamide
Sealing ring: silicone
O-ring: silicone



Protection rating

SKINTOP® COLD
IP 68 - 10 bar (M12 - M20)
IP 68 - 5 bar (M25 - M63)
SKINTOP® COLD-R
IP 68 - 5 bar (M25 - M63)



Temperature range

-70°C to +100°C

Article number	Article designation / size	Clamping range ØF (mm)	SW wrench size mm	Overall length, C (mm)	Thread length, D (mm)	Pieces / PU
SKINTOP® COLD						
53113500	12 x 1,5	3-7	16	26.5	6.5	100
53113510	16 x 1,5	4,5-10	20	32.0	7	100
53113520	20 x 1,5	7-13	24	35.5	8	50
53113530	25 x 1,5	9-17	29	37.5	8	25
53113540	32 x 1,5	11-21	36	42.2	9	25
53113550	40 x 1,5	19-28	45	49.5	9	10
53113560	50 x 1,5	27-35	54	52.0	10	5
53113570	63 x 1,5	34-45	67	61.3	15	5
SKINTOP® COLD-R						
53113600	12 x 1,5	1-5	16	26.5	6.5	100
53113610	16 x 1,5	2-7	20	32.0	7	100
53113620	20 x 1,5	5-10	24	35.5	8	50
53113630	25 x 1,5	6-13	29	37.5	8	25
53113640	32 x 1,5	7-15	36	42.2	9	25
53113650	40 x 1,5	15-23	45	49.5	9	10
53113660	50 x 1,5	22-29	54	52.0	10	5
53113670	63 x 1,5	28-39	67	61.3	15	5

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

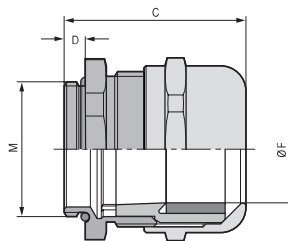
Accessories

SKINTOP® COLD

- SKINDICHT® SM-M refer to page 763



SKINTOP® MS-IS-M



Benefits

- Short connection thread for more space inside the industrial connectors
- Wide, variable clamping ranges
- Optimum strain relief

Application range

- Specially designed for use on industrial connectors.

Product Make-up

- Metric connection thread acc. to DIN EN 60423
- Basis for technical information EN 50262

Note

- For suitable multiple seal inserts please see SKINTOP® DIX PG 21 (25 x 1.5) and DIX PG 29 (32 x 1.5)

Technical data

Classification
 ETIM 5.0 Class-ID: EC000441
 ETIM 5.0 Class-Description:
 Cable screw gland

Caution
 Refer to Appendix T21 for the installation dimensions and torques

Material
 Body: nickel-plated brass
 Insert: polyamide
 Sealing ring: CR
 O-ring: NBR

IP Protection rating
 IP 68 - 5 bar

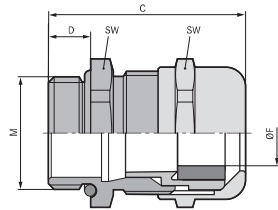
Temperature range
 dynamic -25°C up to + 100°C
 static -40°C up to +100°C

Article number	Article designation / size	Clamping range ØF (mm)	SW wrench size mm	Overall length, C (mm)	Thread length, D (mm)	Pieces / PU
SKINTOP® MS-IS-M						
53112780	25 x 1,5	11-18	30	37.0	5	25
53112790	32 x 1,5	16-25	40	43.0	5	25

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



SKINTOP® MS-M ATEX / SKINTOP® MSR-M ATEX



SKINTOP® MS-M ATEX



SKINTOP® MSR-M ATEX

Benefits

SKINTOP® MS-M ATEX

- Cold impact resistance
- High strain relief
- Wide, variable clamping ranges
- Anti-static
- Maximum reliability

Application range

SKINTOP® MS-M ATEX

- Devices, machines and apparatus of enhanced safety protection type “e”
- Equipment group II / Category 2G+1D
- For mobile applications in offshore and marine industries
- Chemical and petrochemical industry

SKINTOP® MSR-M ATEX

- With reducing seal insert, to seal cables with smaller outer diameters.

Product features

SKINTOP® MS-M ATEX

- SKINTOP® MS-M-XL ATEX is similar to the SKINTOP® MS-M ATEX, but has an extended connection thread for thick walls

Norm references / Approvals

SKINTOP® MS-M ATEX

- UL File Nr. E79903

Product Make-up

- Metric connection thread acc. to DIN EN 60423
- Basis for technical information EN 50262

Note

SKINTOP® MS-M ATEX

- Refer to SKINTOP® SDV-M ATEX for suitable accessories

SKINTOP® MSR-M ATEX

- Refer to SKINTOP® SDVR-M ATEX for suitable accessories

Technical data



Classification
ETIM 5.0 Class-ID: EC000441
ETIM 5.0 Class-Description:
Cable screw gland



Caution
Refer to the instruction leaflet for the installation dimensions and torques



Certifications
CE 0637 Ex II 2G
Ex eb IIC Ex II 1D
Ex ta IIIC
IECEx IBE 13.0026X



Material
Body: nickel-plated brass
Insert: polyamide
Sealing ring: CR
O-ring: NBR

Tests
DIN EN 60079-0
DIN EN 60079-7
DIN EN 60079-31



Protection rating
IP 68 - 10 bar



Temperature range
-30°C to +90°C

Article number	Article designation / size	Clamping range ØF (mm)	SW wrench size mm	Overall length, C (mm)	Thread length, D (mm)	Pieces / PU
SKINTOP® MS-M ATEX						
53112700	12 x 1,5	3 - 7	16	26,5	6,5	100
53112710	16 x 1,5	4,5 - 10	20	33,0	7	100
53112720	20 x 1,5	7 - 13	24	37,0	8	50
53112730	25 x 1,5	9 - 17	29	38,5	8	25
53112740	32 x 1,5	11 - 21	36	45,5	9	25
53112750	40 x 1,5	19 - 28	45	48,0	9	10
53112760	50 x 1,5	26 - 35	54	55,5	10	5
53112770	63 x 1,5	34 - 45	67	67,0	15	5
53112779	63 x 1,5 plus	44 - 55	75	65,5	15	1
SKINTOP® MS-M-XL ATEX						
53112800	12 x 1,5	3 - 7	16	32,8	12	100
53112810	16 x 1,5	4,5 - 10	20	37,0	12	100
53112820	20 x 1,5	7 - 13	24	39,5	12	50
53112830	25 x 1,5	9 - 17	29	41,5	12	25
53112840	32 x 1,5	11 - 21	36	48,2	15	25
53112850	40 x 1,5	19 - 28	45	53,5	15	10
53112860	50 x 1,5	26 - 35	54	57,5	15	5
SKINTOP® MSR-M ATEX						
53112705	12 x 1,5	2 - 5	16	26,5	6,5	100
53112715	16 x 1,5	4 - 7	20	33,0	7	100
53112725	20 x 1,5	5 - 10	24	37,0	8	50
53112735	25 x 1,5	6 - 13	29	38,5	8	25
53112745	32 x 1,5	7 - 15	36	45,5	9	25
53112755	40 x 1,5	16 - 23	45	48,0	9	10
53112765	50 x 1,5	19 - 29	54	55,5	10	5
53112775	63 x 1,5	32 - 39	67	67,0	15	5

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

Accessories

SKINTOP® MS-M ATEX

- SKINTOP® SDV-M ATEX refer to page 731
- SKINDICHT® SM-M refer to page 763
- SKINDICHT® SM-PE-M refer to page 763

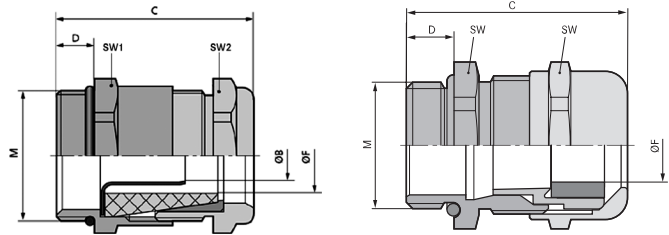
SKINTOP® MSR-M ATEX

- SKINTOP® SDV-M ATEX refer to page 731
- SKINDICHT® SM-M refer to page 763
- SKINDICHT® SM-PE-M refer to page 763

SKINTOP® metric nickel-plated brass cable glands • SKINTOP® explosion-proof



SKINTOP® MS-M ATEX BRUSH



SKINTOP® SDV-M ATEX

SKINTOP® SDV-M ATEX

Benefits

- Faster and less complicated assembling than any other system
- Optimum, low-resistance 360° screen contact
- Simple cable adjustment
- Easy to uninstall
- Anti-static, safe, and impact-resistant at cold temperatures

Application range

- For EMC-compliant earthing of the copper braiding, or for cables with copper shaft sheath
- Chemical and petrochemical industry
- Plant engineering
- Equipment group II / Category 2G+1D
- Devices, machines and apparatus of enhanced safety protection type “e”

Product Make-up

- Metric connection thread acc. to DIN EN 60423
- Basis for technical information EN 50262

Note

- SKINDICHT® SHVE-M 20 x 1.5 ATEX design with EMC earthing sleeve to cover smaller cable clamping ranges
- SKINDICHT® SHVE-M 20x1,5 ATEX is not IECEx certified

Technical data



Classification

ETIM 5.0 Class-ID: EC000441
ETIM 5.0 Class-Description:
Cable screw gland



Caution

Refer to the instruction leaflet for the installation dimensions and torques



Certifications

DNV for SKINDICHT® SHVE-M ATEX pending
SKINDICHT® SHVE-M ATEX is not IECEx certified



Note

CE 0637 Ex II 2G
Ex eb IIC Ex II 1D
Ex ta IIIC
IECEx IBE 13.0026X



Material

SKINTOP® MS-M ATEX BRUSH
Body: nickel plated brass
Insert: special polyamide
EMV-Brush: brass
Seal: special elastomer
O-Ring: special elastomer
SKINDICHT® SHVE-M ATEX
Body: nickel plated brass
Earthing sleeve: brass
Seal: special elastomer
O-Ring: special elastomer

Tests

DIN EN 60079-0
DIN EN 60079-7
DIN EN 60079-31



Protection rating

IP 68 - 10 bar



Temperature range

SKINTOP® MS-M ATEX BRUSH
-30°C to +90°C
SKINDICHT® SHVE-M ATEX
-20°C to +80°C

Article number	Article designation / size	Outer Ø (mm), from - to	Minimum Ø above braiding (mm)	SW wrench size mm	Thread length, D (mm)	Pieces / PU
SKINDICHT® SHVE-M ATEX						
52107102	20 x 1,5	6.9 - 8.9	5	22	6	10
SKINTOP® MS-M ATEX BRUSH						
52110023	25 x 1,5	9.0 - 17.0	6	29	8	10
52110024	32 x 1,5	11.0 - 21.0	8	36	9	5
52110025	40 x 1,5	19.0 - 28.0	10	45	9	5
52110026	50 x 1,5	27.0 - 35.0	14	54	10	5
52110027	63 x 1,5	34.0 - 45.0	20	67	15	1
52110028	63 x 1,5 plus	44.0 - 55.0	25	75	15	1

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

Accessories

- SKINDICHT® SM-M refer to page 763
- SKINDICHT® SM-PE-M refer to page 763



SKINTOP® SDV-M ATEX / SKINTOP® SDVR-M ATEX



SKINTOP® SDV-M ATEX

Benefits

- Permanent and secure sealing for areas with risks of explosion
- Easy to assemble
- High degree of protection

Application range

SKINTOP® SDV-M ATEX

- SKINTOP® SDV-M is used together with SKINTOP® MS-M ATEX, MS-M ATEX BRUSH or SKINTOP® K-M ATEX plus (blue).
- Equipment group II / Category 2G+1D

SKINTOP® SDVR-M ATEX

- SKINTOP® SDVR-M is used together with SKINTOP® MSR-M ATEX or SKINTOP® KR-M ATEX plus (blue).
- Equipment group II / Category 2G+1D

Note

SKINTOP® SDV-M ATEX

- Outside areas with a risk of explosion, also suitable for use in combination with SKINTOP® ST-M and SKINTOP® MS-M

SKINTOP® SDVR-M ATEX

- Outside areas with a risk of explosion, also suitable for use in combination with SKINTOP® STR-M and SKINTOP® MSR-M

Technical data

Classification
 ETIM 5.0 Class-ID: EC000032
 ETIM 5.0 Class-Description:
 Plug for cable screw gland

Caution
 Refer to the instruction leaflet for the installation dimensions and torques

Material
 CR

Protection rating
 IP 68 - 10 bar

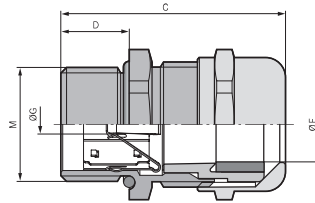
Temperature range
 -30°C to +70°C
 Short-term: up to +90°C

Article number	Article designation / size	Visible height (mm)	Pieces / PU
SKINTOP® SDV-M ATEX			
54113002	12 ATEX	SDV-M ATEX 3	50
54113012	16 ATEX	SDV-M ATEX 3	50
54113022	20 ATEX	SDV-M ATEX 3	50
54113032	25 ATEX	SDV-M ATEX 3	50
54113042	32 ATEX	SDV-M ATEX 4	25
54113052	40 ATEX	SDV-M ATEX 4	25
54113062	50 ATEX	SDV-M ATEX 4	10
54113072	63 ATEX	SDV-M ATEX 4	5
SKINTOP® SDVR-M ATEX			
54113013	16 ATEX	SDVR-M ATEX 4	50
54113023	20 ATEX	SDVR-M ATEX 5	50
54113033	25 ATEX	SDVR-M ATEX 5	50
54113043	32 ATEX	SDVR-M ATEX 5	25

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



SKINTOP® MS-SC-M



Benefits

- Suitable for cables with and without inner sheath
- Also suitable for continuing the cable screen to another connection
- Low-resistance screen contact, optimum EMC protection
- Highly conductive, flexible EMC contact for clamping various screen diameters
- Few operation steps, easy to assemble

Application range

- For EMC-compliant earthing of the copper braiding, or for cables with copper shaft sheath
- Telecommunication
- Industrial machinery and plant engineering
- Measurement and control technology
- Automation technology

Norm references / Approvals

- UL File Nr. E79903

Product Make-up

- Metric connection thread acc. to DIN EN 60423
- Basis for technical information EN 50262

Note

- SKINDICHT® SM-PE-M counter nut should be used to ensure optimum contact with painted, anodised or powder-coated housings
- Refer to SKINTOP® metric accessories for suitable accessories
- As an alternative for thick-walled housings, we recommend SKINTOP® MS-SC-M-XL with long connection thread in the sizes M16 to M50

Technical data

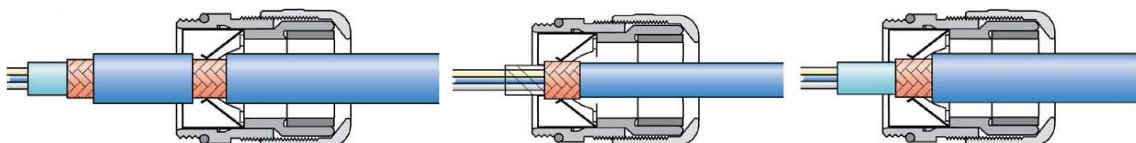
- Classification**
ETIM 5.0 Class-ID: EC000441
ETIM 5.0 Class-Description: Cable screw gland
- Caution**
Refer to Appendix T21 for the installation dimensions and torques
- Material**
Body: nickel-plated brass
Insert: polyamide
Sealing ring: CR
O-ring: NBR
- Protection rating**
IP 68 - 10 bar
- Temperature range**
dynamic -25°C up to + 100°C
static -40°C up to +100°C

Article number	Article designation / size	Outer Ø (mm), from - to	Minimum Ø above braiding (mm)	SW wrench size mm	Thread length, D (mm)	Pieces / PU
SKINTOP® MS-SC-M						
53112610	12 x 1,5	3.5 - 7.0	2	16	6.5	50
53112620	16 x 1,5	4.5 - 9.0	4	20	7	50
53112630	20 x 1,5	7.0 - 12.5	5	24	8	25
53112640	25 x 1,5	9.0 - 16.5	7.5	29	8	25
53112650	32 x 1,5	11.0 - 21.0	9	36	9	25
53112660	40 x 1,5	19.0 - 28.0	15	45	9	10
53112670	50 x 1,5	27.0 - 35.0	21	54	10	5
SKINTOP® MS-SC-M-XL						
53112625	16 x 1,5	4.5 - 9.0	4	20	12	50
53112635	20 x 1,5	7.0 - 12.5	5	24	12	25
53112645	25 x 1,5	9.0 - 16.5	7.5	29	12	25
53112655	32 x 1,5	11.0 - 21.0	9	36	15	25
53112665	40 x 1,5	19.0 - 28.0	15	45	15	10
53112675	50 x 1,5	27.0 - 35.0	21	54	15	5

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

Accessories

- SKINDICHT® SM-PE-M refer to page 763





SKINTOP® MS-M BRUSH

Benefits

- Faster, easier screen contact
- Optimum, low-resistance 360° screen contact
- Faster than any other comparable system
- Uncomplicated and reliable
- Maximum assembly freedom during adjustment

Application range

- For EMC-compliant earthing of the copper braiding, or for cables with copper shaft sheath
- Automation systems
- High-power drives
- Frequency converters
- Conveyor and transport systems

Norm references / Approvals

- UL File Nr. E79903

Product Make-up

- Metric connection thread acc. to DIN EN 60423
- Basis for technical information EN 50262

Note

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

Info

- SKINTOP® MS-M BRUSH sizes 75 x 1.5 to 110 x 2 with innovative double lamella gasket for easier assembling of cables with large diameters.

Technical data

Classification
ETIM 5.0 Class-ID: EC000441
ETIM 5.0 Class-Description: Cable screw gland

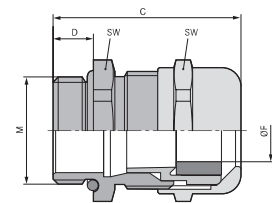
Caution
Refer to Appendix T21 for the installation dimensions and torques

Certifications
VDE, UL, CSA, DNV approval for size M90 x 2 and 110 x 2 pending
SKINTOP® MSR-M BRUSH 25 x 1,5 approvals pending

Material
Body: nickel-plated brass
EMC brush: brass
Sealing ring: special elastomer
O-ring: special elastomer

Protection rating
IP 68 - 10 bar (M12 - M50)
IP 68 - 5 bar (M63)
IP 68 - 1 bar (M63 plus - M75)
IP 69 (M12 - M63)

Temperature range
dynamic -25°C up to + 100°C
Fixed: -40°C to +100°C



Article number	Article designation / size	Outer Ø (mm), from - to	Minimum Ø above braiding (mm)	SW wrench size mm	Thread length, D (mm)	Pieces / PU
SKINTOP® MS-M BRUSH						
53112676	25 x 1,5	9.0 - 17.0	6	29	8	10
53112677	32 x 1,5	11.0 - 21.0	8	36	9	5
53112678	40 x 1,5	19.0 - 28.0	10	45	9	5
53112679	50 x 1,5	27.0 - 35.0	14	54	10	5
53112680	63 x 1,5	34.0 - 45.0	20	67	15	1
53112681	63 x 1,5 plus	44.0 - 55.0	25	75	15	1
53112501	75 x 1,5	53.0 - 63.0	35	95	15	1
53112500	75 x 1,5 plus	58.0 - 68.0	35	95	15	1
53112503	90 x 2	66.0 - 78.0	45	115	20	1
53112505	110 x 2	76.0 - 88.0	55	135	25	1
53112504	110 x 2 plus	86.0 - 98.0	55	135	25	1

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Accessories

- SKINDICHT® SM-PE-M refer to page 763





SKINTOP® BRUSH ADD-ON



Benefits

- Optimum, low-resistance 360° screen contact
- Cutting edges cut through the insulating layer of the housing or switch cabinets, thus guaranteeing an optimum EMC contact
- Easy disassembling
- Visible, large-scale screen contact
- Uncomplicated and reliable

Application range

- For EMC-compliant earthing of the copper braiding, or for cables with copper shaft sheath
- For EMC-contact at through bore-holes
- Control cabinet manufacturing
- Automation systems
- Conveyor and transport systems

Product Make-up

- Metric connection thread acc. to DIN EN 60423
- Basis for technical information EN 50262



Info

- Innovative EMC add-on for SKINTOP® ST(R)-M polyamide cable glands.
- Worlds first patented active EMC lock-nut!

Technical data



Classification

ETIM 5.0 Class-ID: EC000441
ETIM 5.0 Class-Description:
Cable screw gland



Caution

Refer to Appendix T21 for the installation dimensions and torques
Apply SKINTOP® ST-M torques



Certifications

UL pending



Material

Body: nickel-plated brass
EMC brush: brass



Temperature range

Dynamic: -20°C to +100°C
Depending on the combination of the used cable gland

Article number	Article designation / size	Minimum Ø above braiding (mm)	SW wrench size mm	Thread length, D (mm)	Pieces / PU
SKINTOP® BRUSH ADD-ON					
54110839	M 12 x 1,5	4	24	10	25
54110840	M 16 x 1,5	5	24	10	25
54110841	M 20 x 1,5	5	24	10	10
54110842	M 25 x 1,5	5	30	10	10
54110843	M 32 x 1,5	8	39	12	10
54110844	M 40 x 1,5	10	47	12	5
54110845	M 50 x 1,5	14	56	12	5
54110846	M 63 x 1,5	14	63	12	5

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Accessories

- SKINTOP® BS-M refer to page 719
- SKINTOP® ST-M refer to page 712
- SKINTOP® STR-M refer to page 712
- SKINTOP® ST-HF-M refer to page 718
- SKINTOP® COLD refer to page 727
- SKINTOP® COLD-R refer to page 727

