**SKINTOP® ST-M 40X1.5 RAL 7001 SGY**

**Article No.:** 53111050

Cable gland; M 40; Clamping range (min./max.): 0.63 - 1.102 in; Wrench size 1: 1.811; silver gray; Polyamide Uncoated; IP 68 - 5 g/cm² (30 min), IP 69, IP 66;









## Details

### Benefits

- A product with an impressively wide range of applications thanks to its versatile properties.
- Highly stable when being turned and closes quickly thanks to its multi-course, flattened trapezoidal thread.
- If vibration occurs, the permanent vibration protection prevents the domed cap nut from opening.
- The best possible sealing enables protection classes IP 68 (5 bar) and IP 69.
- Large, variable clamping range for different cable outer diameters.
- Extensive range of accessories available.

### Application

- For sealing and strain relieving cable insertion into a housing.
- Suitable for use in AC and DC charging infrastructures for electromobility.
- Material that is highly resistant to oil for harsh industrial environments.
- The SKINTOP® ST(R) M ISO variants are particularly suitable for thick-walled housings thanks to their particularly long connection thread.
- Suitable for applications with UV-C radiation (according to LAPP's internal test method).
- Black variants are suitable for outdoor use.

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**Notes**

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

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

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

**Remarks**

## Technical Data

**General information**

| | |
|---|---|
| Brand | SKINTOP® |
| Product type | Cable gland |
| Delivery with lock nut | No |
| Including o-ring | Yes |
| Type of packaging | Bag |
| Delivery Unit | 10 |
| Industry segment | Agricultural & Farm Machinery<br>Assembly Machines<br>Automotive<br>Construction Machinery<br>Energy<br>Food & Beverage<br>Healthcare & Pharma<br>Heating, Ventilation, Air Conditioning & Refrigeration<br>Intralogistics & Material handling<br>Lifts & Elevators<br>Machine Tools<br>Packaging<br>Process Industry<br>Robotics<br>Ships & boats<br>Solar<br>Building Automation |
| customs code | 3926909985 |

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**Electrical parameters**

**Product design**

| | |
|---|---|
| For armored cables | No |
| Glass-fibre reinforced | No |
| Number of cable entries | 1 pc. |
| With bending protection | No |
| Cable gland design | Straight |
| Total length | 2.047 in |
| Clear width | 1.102 in |
| Thread type | Metric |
| Thread size | M 40 |
| Pitch of thread | 1,5 |
| Thread length | 0.394 in |
| Thread standard | DIN EN 60423 |
| Wrench size 1 | 1.811 in |
| Wrench size 2 | 1.811 in |
| Hexagon corner dimensions | 2.031 in |
| Min. clamping range | 0.63 in |
| Max. clamping range | 1.102 in |
| EMC shielding | No |
| Seal type | Conduit Sealing Ring |
| Material o-ring | Acrylonitrile butadiene rubber |
| O-ring material, short form | NBR |
| Material sealing | Chloroprene rubber |
| Body material | Polyamide |
| Body material, short form | PA |
| Surface protection | Uncoated |
| Colour description | silver gray |
| RAL color | RAL 7001 |

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**Product features**

| | |
|---|---|
| IP protection rating | IP 68 - 5 g/cm² (30 min)<br>IP 69<br>IP 66 |
| NEMA classification type | Type 1<br>Type 12 |
| Suitable for EX-applications | No |
| Temperature dynamic min. | -20 °C |
| Max. dynamic temperature | 100 °C |
| Temperature static min. | -40 °C |
| Max. static temperature | 100 °C |
| Temperature (min.) | -40 °C |
| Temperature (max.) | 100 °C |
| Flame-retardant | Yes |
| Flame retardance according to | UL 94 V-2 |
| UV-resistant | No |
| UV-C resistant | Yes |
| Chemical resistant | Yes |
| Acid-resistant | No |
| Halogenfree | No |
| Oil resistant | Yes |
| Impact proof | Yes |
| Vibration protection | Yes |
| Strain relief | Yes |

**Certifications and standards**

| | |
|---|---|
| CE marking | Yes |
| UL recognized | No |
| UL listed | Yes |
| UL certification | according to UL 514B (CCN: QBPZ / e-file number: E79903) |
| cUR recognized | No |
| cUL listed | Yes |
| cUL certification | according to CSA C22.2 No. 18.3 (CCN: QBPZ7 / e-file number: E79903) |

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| | |
|---|---|
| CSA certified | No |
| VDE certified | Yes |
| VDE registration number | 40010604 |
| For Ex zone gas | without |
| For Ex-zone dust | without |
| GGVS certified | Yes |
| DNV-certified | Yes |
| DNV certificate number | TAE00002NB |
| Tested for fire protection for railway vehicles | No |
| Ecolab certified | No |
| NSF certified | No |
| FDA certified | No |
| EHEDG certified | No |

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## SKINTOP® ST-M / SKINTOP® STR-M

| Article No. | Name | Thread size | Thread length | Min. clamping range | Max. clamping range | Wrench size 1 | Colour description | Delivery Unit |
|---|---|---|---|---|---|---|---|---|
| 53111000 | SKINTOP® ST-M 12X1.5 RAL 7001 SGY | M 12 | 0.315 in | 0.138 in | 0.276 in | 0.591 in | silver gray | 100 |
| 53111010 | SKINTOP® ST-M 16X1.5 RAL 7001 SGY | M 16 | 0.315 in | 0.157 in | 0.394 in | 0.748 in | silver gray | 100 |
| 53111020 | SKINTOP® ST-M 20X1.5 RAL 7001 SGY | M 20 | 0.354 in | 0.236 in | 0.512 in | 0.984 in | silver gray | 100 |
| 53111030 | SKINTOP® ST-M 25X1.5 RAL 7001 SGY | M 25 | 0.394 in | 0.315 in | 0.669 in | 1.181 in | silver gray | 50 |
| 53111040 | SKINTOP® ST-M 32X1.5 RAL 7001 SGY | M 32 | 0.394 in | 0.354 in | 0.827 in | 1.417 in | silver gray | 25 |
| 53111050 | SKINTOP® ST-M 40X1.5 RAL 7001 SGY | M 40 | 0.394 in | 0.63 in | 1.102 in | 1.811 in | silver gray | 10 |
| 53111060 | SKINTOP® ST-M 50X1.5 RAL 7001 SGY | M 50 | 0.472 in | 1.063 in | 1.339 in | 2.165 in | silver gray | 5 |
| 53111070 | SKINTOP® ST-M 63X1.5 RAL 7001 SGY | M 63 | 0.472 in | 1.339 in | 1.772 in | 2.598 in | silver gray | 5 |
| 53111100 | SKINTOP® STR-M 12X1.5 RAL 7001 SGY | M 12 | 0.315 in | 0.079 in | 0.197 in | 0.591 in | silver gray | 100 |
| 53111110 | SKINTOP® STR-M 16X1.5 RAL 7001 SGY | M 16 | 0.315 in | 0.138 in | 0.276 in | 0.748 in | silver gray | 100 |
| 53111120 | SKINTOP® STR-M 20X1.5 RAL 7001 SGY | M 20 | 0.354 in | 0.157 in | 0.394 in | 0.984 in | silver gray | 100 |
| 53111130 | SKINTOP® STR-M 25X1.5 RAL 7001 SGY | M 25 | 0.394 in | 0.197 in | 0.512 in | 1.181 in | silver gray | 50 |
| 53111140 | SKINTOP® STR-M 32X1.5 RAL 7001 SGY | M 32 | 0.394 in | 0.236 in | 0.591 in | 1.417 in | silver gray | 25 |
| 53111150 | SKINTOP® STR-M 40X1.5 RAL 7001 SGY | M 40 | 0.394 in | 0.354 in | 0.906 in | 1.811 in | silver gray | 10 |
| 53111160 | SKINTOP® STR-M 50X1.5 RAL 7001 SGY | M 50 | 0.472 in | 0.945 in | 1.142 in | 2.165 in | silver gray | 5 |
| 53111170 | SKINTOP® STR-M 63X1.5 RAL 7001 SGY | M 63 | 0.472 in | 1.102 in | 1.535 in | 2.598 in | silver gray | 5 |
| 53111200 | SKINTOP® ST-M 12X1.5 RAL 9005 BK | M 12 | 0.315 in | 0.138 in | 0.276 in | 0.591 in | black | 100 |
| 53111210 | SKINTOP® ST-M 16X1.5 RAL 9005 BK | M 16 | 0.315 in | 0.157 in | 0.394 in | 0.748 in | black | 100 |
| 53111220 | SKINTOP® ST-M 20X1.5 RAL 9005 BK | M 20 | 0.354 in | 0.236 in | 0.512 in | 0.984 in | black | 100 |
| 53111230 | SKINTOP® ST-M 25X1.5 RAL 9005 BK | M 25 | 0.394 in | 0.315 in | 0.669 in | 1.181 in | black | 50 |
| 53111240 | SKINTOP® ST-M 32X1.5 RAL 9005 BK | M 32 | 0.394 in | 0.354 in | 0.827 in | 1.417 in | black | 25 |
| 53111250 | SKINTOP® ST-M 40X1.5 RAL 9005 BK | M 40 | 0.394 in | 0.63 in | 1.102 in | 1.811 in | black | 10 |
| 53111260 | SKINTOP® ST-M 50X1.5 RAL 9005 BK | M 50 | 0.472 in | 1.063 in | 1.339 in | 2.165 in | black | 5 |
| 53111270 | SKINTOP® ST-M 63X1.5 RAL 9005 BK | M 63 | 0.472 in | 1.339 in | 1.772 in | 2.598 in | black | 5 |
| 53111300 | SKINTOP® STR-M 12X1.5 RAL 9005 BK | M 12 | 0.315 in | 0.079 in | 0.197 in | 0.591 in | black | 100 |
| 53111310 | SKINTOP® STR-M 16X1.5 RAL 9005 BK | M 16 | 0.315 in | 0.138 in | 0.276 in | 0.748 in | black | 100 |
| 53111320 | SKINTOP® STR-M 20X1.5 RAL 9005 BK | M 20 | 0.354 in | 0.157 in | 0.394 in | 0.984 in | black | 100 |
| 53111330 | SKINTOP® STR-M 25X1.5 RAL 9005 BK | M 25 | 0.394 in | 0.197 in | 0.512 in | 1.181 in | black | 50 |
| 53111340 | SKINTOP® STR-M 32X1.5 RAL 9005 BK | M 32 | 0.394 in | 0.236 in | 0.591 in | 1.417 in | black | 25 |
| 53111350 | SKINTOP® STR-M 40X1.5 RAL 9005 BK | M 40 | 0.394 in | 0.354 in | 0.906 in | 1.811 in | black | 10 |

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| Article No. | Name | Thread size | Thread length | Min. clamping range | Max. clamping range | Wrench size 1 | Colour description | Delivery Unit |
|---|---|---|---|---|---|---|---|---|
| 53111360 | SKINTOP® STR-M 50X1.5 RAL 9005 BK | M 50 | 0.472 in | 0.945 in | 1.142 in | 2.165 in | black | 5 |
| 53111370 | SKINTOP® STR-M 63X1.5 RAL 9005 BK | M 63 | 0.472 in | 1.102 in | 1.535 in | 2.598 in | black | 5 |
| 53111400 | SKINTOP® ST-M 12X1.5 RAL 7035 LGY | M 12 | 0.315 in | 0.138 in | 0.276 in | 0.591 in | light gray | 100 |
| 53111410 | SKINTOP® ST-M 16X1.5 RAL 7035 LGY | M 16 | 0.315 in | 0.157 in | 0.394 in | 0.748 in | light gray | 100 |
| 53111420 | SKINTOP® ST-M 20X1.5 RAL 7035 LGY | M 20 | 0.354 in | 0.236 in | 0.512 in | 0.984 in | light gray | 100 |
| 53111430 | SKINTOP® ST-M 25X1.5 RAL 7035 LGY | M 25 | 0.394 in | 0.315 in | 0.669 in | 1.181 in | light gray | 50 |
| 53111440 | SKINTOP® ST-M 32X1.5 RAL 7035 LGY | M 32 | 0.394 in | 0.354 in | 0.827 in | 1.417 in | light gray | 25 |
| 53111450 | SKINTOP® ST-M 40X1.5 RAL 7035 LGY | M 40 | 0.394 in | 0.63 in | 1.102 in | 1.811 in | light gray | 10 |
| 53111460 | SKINTOP® ST-M 50X1.5 RAL 7035 LGY | M 50 | 0.472 in | 1.063 in | 1.339 in | 2.165 in | light gray | 5 |
| 53111470 | SKINTOP® ST-M 63X1.5 RAL 7035 LGY | M 63 | 0.472 in | 1.339 in | 1.772 in | 2.598 in | light gray | 5 |
| 53111500 | SKINTOP® STR-M 12X1.5 RAL 7035 LGY | M 12 | 0.315 in | 0.079 in | 0.197 in | 0.591 in | light gray | 100 |
| 53111510 | SKINTOP® STR-M 16X1.5 RAL 7035 LGY | M 16 | 0.315 in | 0.138 in | 0.276 in | 0.748 in | light gray | 100 |
| 53111520 | SKINTOP® STR-M 20X1.5 RAL 7035 LGY | M 20 | 0.354 in | 0.157 in | 0.394 in | 0.984 in | light gray | 100 |
| 53111530 | SKINTOP® STR-M 25X1.5 RAL 7035 LGY | M 25 | 0.394 in | 0.197 in | 0.512 in | 1.181 in | light gray | 50 |
| 53111540 | SKINTOP® STR-M 32X1.5 RAL 7035 LGY | M 32 | 0.394 in | 0.236 in | 0.591 in | 1.417 in | light gray | 25 |
| 53111550 | SKINTOP® STR-M 40X1.5 RAL 7035 LGY | M 40 | 0.394 in | 0.354 in | 0.906 in | 1.811 in | light gray | 10 |
| 53111560 | SKINTOP® STR-M 50X1.5 RAL 7035 LGY | M 50 | 0.472 in | 0.945 in | 1.142 in | 2.165 in | light gray | 5 |
| 53111570 | SKINTOP® STR-M 63X1.5 RAL 7035 LGY | M 63 | 0.472 in | 1.102 in | 1.535 in | 2.598 in | light gray | 5 |

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