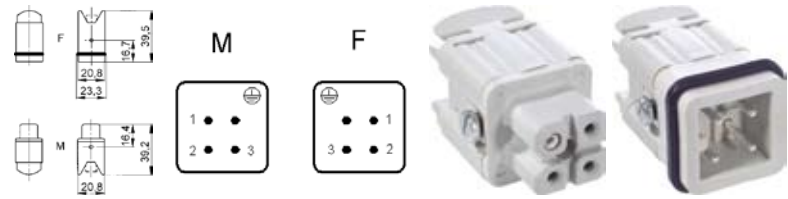


EPIC® H-A 3



Info

- Straight cable entry from the rear

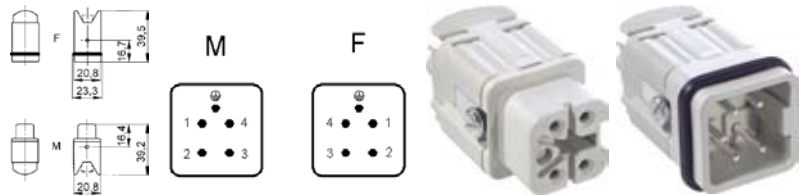


EPIC® H-A 4



Info

- Straight cable entry from the rear



Suitable housing:

- EPIC® H-A 3 Housings page 494
- Additional support for selection of inserts and housings, please refer to the Selection Table A10

Benefits

EPIC® H-A 3

- H-A Inserts with screw termination up to 2.5 mm² wire cross section
- H-A 3 are used wherever space is at a minimum. Screw termination with straight cable entrance from the rear

EPIC® H-A 4

- H-A Inserts with screw termination up to 2.5 mm² wire cross section
- Small H-A 4 are used wherever space is at a minimum. Screw termination with straight cable insertion from the rear

Application range

- Machine and apparatus construction
- Control engineering

Suitable tools

- MULTICRIMP 6 crimping pliers see page 919
- Kraftform® adjustable torque screwdriver/ Kraftform Kompakt® Set see page 982

Technical data

Rated voltage in V

IEC: 400 V
UL: 600 V
CSA: 600 V

Rated impulse Voltage

4 kV

Rated current in A

IEC: 23 A
UL: 10 A
CSA: 10 A

Pollution degree

3

Contact resistance

1.5 - 4 mOhm

Contacts

Copper alloy, hard silver plated

Number of contacts

EPIC® H-A 3

3 + PE

EPIC® H-A 4

4 + PE

Termination methods

Screw termination: 0.5 - 2.5 mm² (2.5 mm² with conductor end sleeves depends on the crimping profile)

Cycle of mechanical operation

100

Range of temperature

-40°C - +100°C, temporary up to +125°C

VDE tested

VDE-REG.-No. 237



| Part number | Part | Version | Contacts | Pieces / PU |
|--------------------------------|----------|---------|----------|-------------|
| H-A 3 screw termination | | | | |
| 10420000 | H-A 3 SS | male | 1 - 3 | 10 |
| 10421000 | H-A 3 BS | female | 1 - 3 | 10 |
| H-A 4 screw termination | | | | |
| 10431000 | H-A 4 SS | male | 1 - 4 | 10 |
| 10432000 | H-A 4 BS | female | 1 - 4 | 10 |

EPIC® H-A 3 Surface Mount Base



EPIC® H-A 3 Surface Mount Base (open bottom)



Benefits

- Housing in plastic or metal version. For power supply on smallest possible space

Application range

- Machine and apparatus construction
- Control engineering
- Electronic laboratory

Product features

EPIC® H-A 3 Surface Mount Base

- Surface mount base
- 1 lever
- 1 cable entry
- Versions with / without cable gland
- Including flat gasket

EPIC® H-A 3 Surface Mount Base (open bottom)

- Surface mount base

- 1 lever
- 2 cable entries
- Housing type: With open bottom
- Including flat gasket

Suitable inserts

- EPIC® H-A 3 page 447
- EPIC® H-Q 5 page 453
- EPIC® STA 6 Screw termination page 450
- EPIC® H-D 7 machined page 454
- EPIC® H-D 7 stamped page 454
- EPIC® H-A 4 page 447
- EPIC® H-D 8 page 453
- EPIC® STA 6 Solder termination page 450
- Additional support for selection of inserts and housings, please refer to the Selection Table A10

Technical data



Material

Housing: zinc die-casting powder-coated grey
 Lever: steel, zinc-plated
 Sealing: NBR
 Housing: thermoplastics grey, black
 Lever: steel, zinc-plated
 Sealing: NBR



Degree of protection

IP 65 (latched)



Range of temperature

-40 °C - +100 °C, temporary up to +125 °C

| Part number | Part | M | PG | Material | Colour | Verschraubung | Cable clamping range | Dimension incl. cable gland | Pieces / PU |
|---|-----------------|----|----|------------------|--------|---------------|----------------------|-----------------------------|-------------|
| H-A housing: Surface mount base | | | | | | | | | |
| 10512700 | H-A 3 MAgsv | | 11 | Zinc die-casting | grey | | | 51.5 | 10 |
| 10424000 | H-A 3 Agsv | | 11 | Thermoplastic | grey | | | 56.0 | 10 |
| 10424500 | H-A 3 MAgsv | | 11 | Zinc die-casting | grey | yes | 6.5 - 12.0 | 57.5 | 10 |
| 10424200 | H-A 3 Agsv | | 11 | Thermoplastic | grey | yes | 6.5 - 12.0 | 65.0 | 10 |
| 19512700 | H-A 3 MAgsv M20 | 20 | | Zinc die-casting | grey | | | 54.5 | 10 |
| 19421900 | H-A 3 Agsv M20 | 20 | | Thermoplastic | grey | yes | 3.0 - 13.5 | 56.0 | 10 |
| 19424500 | H-A 3 MAgsv M20 | 20 | | Zinc die-casting | grey | yes | 3.0 - 13.5 | 60.5 | 10 |
| H-A housing: Surface mount base (with open bottom) | | | | | | | | | |
| 19517200 | H-A 3 MAgsv M20 | 20 | | Zinc die-casting | grey | | | | 10 |
| 19515200 | H-A 3 Agsv M20 | 20 | | Thermoplastic | grey | | | | 10 |

New

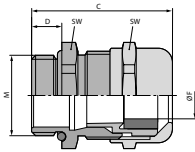
SKINTOP® MS-M / SKINTOP® MSR-M



SKINTOP® MS-M



SKINTOP® MSR-M



Info

- Sizes SKINTOP® MS-M 75x1,5 to 110x2 with innovative double lamella gasket for easier assembling of cables with large diameters.
- Now with IP 69 K approval! Proven functionality also during hardest cleaning procedures at industrial machinery with high-pressure cleaners and hot water!

Benefits

SKINTOP® MS-M

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

SKINTOP® MSR-M

- Benefits see SKINTOP® MS-M

Application range

SKINTOP® MS-M

- In areas with high demands on special mechanical and chemical stability.
- Chemical industry
- Measurement and control technology
- Machine and apparatus construction
- Plant engineering

SKINTOP® MSR-M

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

Approvals (Norm references)



Design

- Metric connection thread acc. to EN 50262

Note

- Counter nut to be used SKINDICHT® SM-M
- For suitable accessories see SKINTOP® metric accessories

Suitable cables

SKINTOP® MS-M

- For IP 69 K applications we recommend to use the following cables:
ÖLFLEX® ROBUST 200
H07RN8-F

Technical data



Caution

Installation dimensions and tightening torques see Appendix T21



Approvals

IP 69 K approval for size M75x1,5 pending
UL, CSA, DNV, VDE, IP 69 K approval for size M90x2 to M110x2 pending



Material

Body: Nickel plated brass
Insert: Polyamide
Seal: CR
O-ring: NBR



Degree of protection

IP 68
IP 69 K



Range of temperature

-30°C up to +100°C

| Part number | Part designation / size | Clamping range ØF mm | SW mm | Overall length C mm | Thread length D mm | Pieces / PU |
|-----------------------|-------------------------|----------------------|-------|---------------------|--------------------|-------------|
| SKINTOP® MS-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 | 7,0 | 100 |
| 53112020 | 20 x 1,5 | 7-13 | 24 | 35,5 | 8,0 | 50 |
| 53112030 | 25 x 1,5 | 9-17 | 29 | 37,5 | 8,0 | 25 |
| 53112040 | 32 x 1,5 | 11-21 | 36 | 42,2 | 9,0 | 25 |
| 53112050 | 40 x 1,5 | 19-28 | 45 | 49,5 | 9,0 | 10 |
| 53112060 | 50 x 1,5 | 27-35 | 54 | 52,0 | 10,0 | 5 |
| 53112070 | 63 x 1,5 | 34-45 | 67 | 61,3 | 15,0 | 5 |
| 53112080 | 63 x 1,5 plus | 44-55 | 75 | 65,5 | 15,0 | 5 |
| 53112510 | 75 x 1,5 | 58-68 | 95 | 105,0 | 15,0 | 1 |
| 53112512 | 90 x 2 | 66-78 | 115 | 136,0 | 20,0 | 1 |
| 53112514 | 110 x 2 | 86-98 | 135 | 154,0 | 25,0 | 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 | 7,0 | 100 |
| 53112120 | 20 x 1,5 | 5-10 | 24 | 35,5 | 8,0 | 50 |
| 53112130 | 25 x 1,5 | 6-13 | 29 | 37,5 | 8,0 | 25 |
| 53112140 | 32 x 1,5 | 7-15 | 36 | 42,2 | 9,0 | 25 |
| 53112150 | 40 x 1,5 | 15-23 | 45 | 49,5 | 9,0 | 10 |
| 53112160 | 50 x 1,5 | 22-29 | 54 | 52,0 | 10,0 | 5 |
| 53112170 | 63 x 1,5 | 28-39 | 67 | 61,3 | 15,0 | 5 |
| 53112511 | 75 x 1,5 | 53-63 | 95 | 105,0 | 15,0 | 1 |
| 53112515 | 110 x 2 | 76-88 | 135 | 154,0 | 25,0 | 1 |

Accessories

SKINTOP® MS-M

- SKINDICHT® SM-M see page 687
- SKINTOP® DIX-M see page 662
- SKINTOP® DIX-M AUTOMATION see page 663
- SKINTOP® SDV-M ATEX see page 664
- SKINTOP® SD-M see page 665
- SKINTOP® DV-M see page 665

SKINTOP® MSR-M

- SKINDICHT® SM-M see page 687
- SKINTOP® SDVR-M ATEX see page 664
- SKINTOP® SD-M see page 665

ÖLFLEX® | UNITRONIC® | ETHERLINE® | HITRONIC® | EPIC® | SKINTOP® | SILVYN® | FLEXIMARK® | ACCESSORIES | APPENDIX