

M12 male recept. A-cod. rear

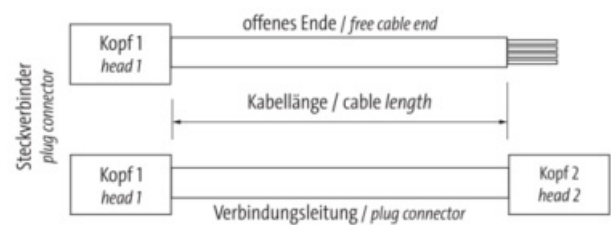
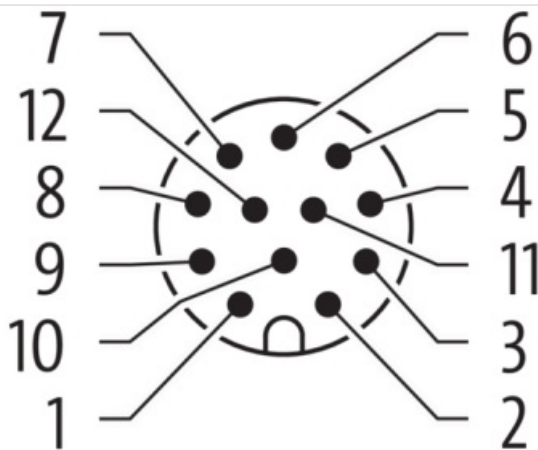
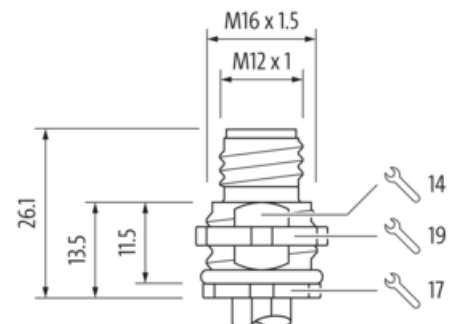
TPE-wires 12x0.14 1m

Art.No.: 7000-19165-9790100

Weight: 0.086

Country of origin: DE

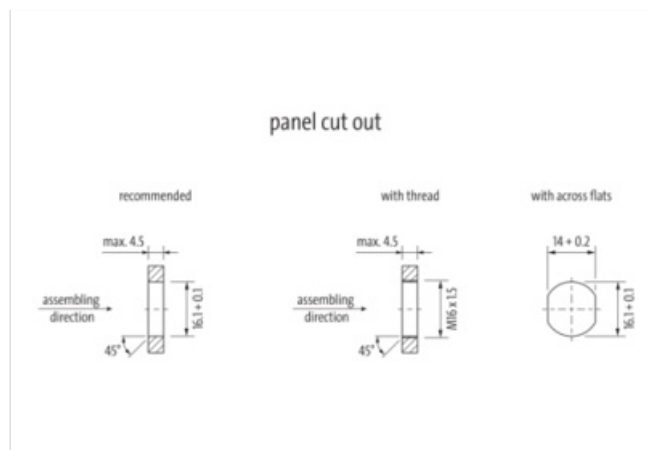
Model designation: MSAFH-12E979_1.0

[Link to Product](#)**Illustration**Toleranz Kabellängen:
cable length tolerances

| | | | |
|-----------------|--------|-----------------|-------|
| 0m < L ≤ 0,5m | +0,03m | 1,0m < L ≤ 3,0m | +0,1m |
| 0,5m < L ≤ 1,0m | +0,05m | 3,0m < L | ±1,5% |

| | |
|----|-------|
| 1 | BN |
| 2 | BU |
| 3 | WH |
| 4 | GN |
| 5 | PK |
| 6 | YE |
| 7 | BK |
| 8 | GY |
| 9 | RD |
| 10 | VT |
| 11 | GY PK |
| 12 | RD BU |

Product may differ from Image

**Side 1**

| | |
|-------------------------------------|-------------------|
| Family construction form | M12 |
| No. of poles | 12 |
| Coding | A |
| Mounting method | inserted, screwed |
| Thread | M12 x 1 |
| Tightening torque | 0.6 Nm |
| Width across flats | SW14 |
| Material | Brass |
| Material contact | Copper alloy |
| Coating contact | gold plated |
| Degree of protection (EN IEC 60529) | IP67 |

Commercial data

| | |
|-------------|---|
| URL Webshop | https://shop.murrelektronik.com/7000-19165-9790100 |
| EAN | 4048879332262 |

Electrical data | Supply

| | |
|------------------------------------|-------|
| Operating voltage AC max. | 30 V |
| Operating voltage DC max. | 30 V |
| Current operating per contact max. | 1.5 A |

Diagnostics

| | |
|-----------------------|----|
| Status indication LED | no |
|-----------------------|----|

Installation | Connection

| | |
|--------------------|-----------|
| Mounting set | M16 x 1.5 |
| Width across flats | SW19 |

Device protection | Electrical

| | |
|--|-------------------|
| Degree of protection (EN IEC 60529) | IP67 |
| Protection NEMA | 6P, 4, 3 |
| Additional condition protection degree | inserted, screwed |
| Pollution Degree | 3 |
| Rated surge voltage | 0.8 kV |
| Material group (IEC 60664-1) | I |

Mechanical data

Contour for corrugated hose without

Mechanical data | Material data

| | |
|---------------------------|---------------|
| Material housing | Brass |
| Coating housing | nickel plated |
| Material screw connection | Brass |
| Coating of fitting | nickel plated |
| Locking material | Brass |
| Coating locking | nickel plated |

Mechanical data | Mounting data

| | |
|-----------------|-------------------|
| Mounting method | inserted, screwed |
|-----------------|-------------------|

Environmental characteristics | Climatic

| | |
|--|----------------------------|
| Operating temperature min. | -30 °C |
| Operating temperature max. | 85 °C |
| Additional condition temperature range | depending on cable quality |

Important installation notes

| | |
|------------------------|---|
| Note on bending radius | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |
| Note on strain relief | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. |

Conformity

| | |
|------------------|--------------------------|
| Product standard | DIN EN 61076-2-101 (M12) |
|------------------|--------------------------|

Approvals

| | |
|--------|-----|
| UL 50E | yes |
|--------|-----|

Installation | Cable

| | |
|--------------------------------------|--|
| Wire arrangement | brown, blue, white, green, pink, yellow, black, gray, red, violet, gray-pink, red-blue |
| Material wire insulation | PP |
| Amount wires | 12 |
| Outer diameter insulation | 1.25 mm |
| Conductor crosssection (wire) | 0.14 mm ² |
| Min. operating temperature (static) | -40 °C |
| Max. operating temperature (fixed) | 85 °C |
| Operating temperature min. (dynamic) | -25 °C |
| Operating temperature max. (dynamic) | 85 °C |
| Bending radius (fixed) | 5 × Outer diameter |
| Bending radius (dynamic) | 15 × Outer diameter |