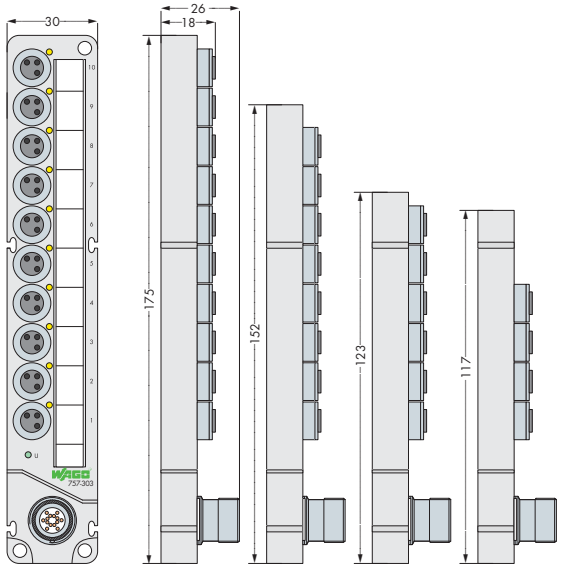
# M8 Sensor/Actuator Boxes

## 3-pole, with M16 connection



M8 sensor / actuator box with marker strips




10-way 8-way 6-way 4-way

- M8 sensor/actuator boxes, 4-, 6-, 8- and 10-way
- 3-pole (1 signal per contact)
- M16 connector (14-pole)
- Green LED operating indicator
- Yellow LED status indicator
- incl. marker strips (note: WMB markers can also be used)
- incl. M8 protective caps (2 pcs)

| Description | Item No. | Pack. Unit |
|---|---|---|
| **M8 sensor/actuator box** | | |
| **4-way, 3-pole, M16 connector** | **757-343** | 1 |
| **6-way, 3-pole, M16 connector** | **757-363** | 1 |
| **8-way, 3-pole, M16 connector** | **757-383** | 1 |
| **10-way, 3-pole, M16 connector** | **757-303** | 1 |

| Accessories | Item No. |
|---|---|
| **Marker strips, marking pen, spacer module and protective cap** | see page 596 |
| **IP67 cables and connectors** | see page 597 + Section 11 |

## Approvals

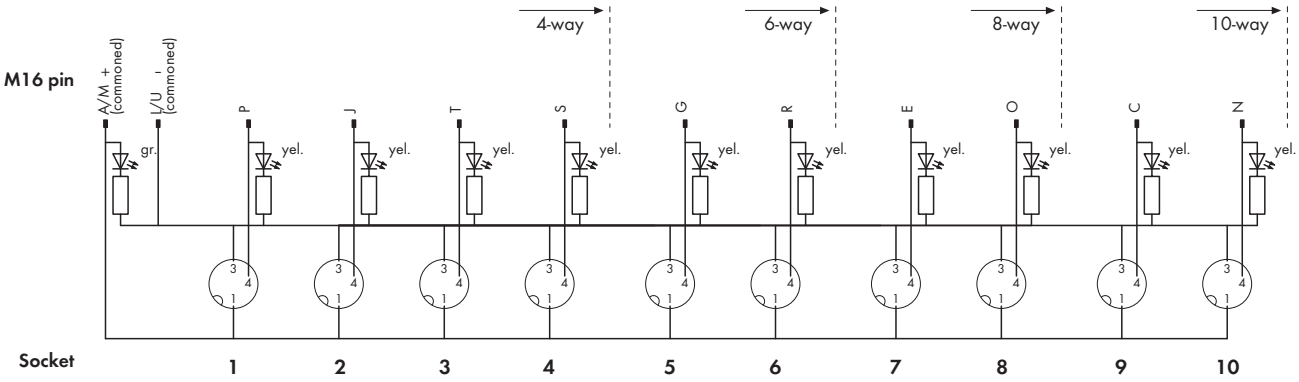
| | |
|---|---|
| UL 508 | E 175199, UL 508, Class 2 Equipment |
| | Components are designed to be supplied through Class 2 power supplies in accordance with UL 1310 or Class 2 transformers in accordance with UL 1585 |

## Electrical Data

| | |
|---|---|
| Contact resistance | ≤ 10 mΩ |
| Operating voltage | 10 V ... 30 V DC |
| Current carrying capacity | 2 A per signal; 6 A per SA box |
| Rated voltage | 32 V ~ eff. |
| Insulation voltage | 1 kV / 3 s |
| Insulation resistance | > $10^9$ Ω |
| Degree of pollution | 3 acc. to VDE 0110 |
| Switching function | PNP |



Downloaded from Arrow.com.




## Mechanical Data

| | |
|---|---|
| Degree of protection | IP67 acc. to EN 60529 (NEMA 6 & 6P) |
| | In fully locked position with the appropriate plugs or protective caps |
| Operating temperature | -25 °C ... +80 °C (current load according to derating curve) |
| Fixing | Screw mounting |
| Dimensions (mm) W x H x L | 4-way: 30 x 26 x 117 |
| | 6-way: 30 x 26 x 123 |
| | 8-way: 30 x 26 x 152 |
| | 10-way: 30 x 26 x 175 |
| Weight | 4-way: 100 g |
| | 6-way: 110 g |
| | 8-way: 120 g |
| | 10-way: 145 g |
| Mounting position | any |
| Vibration resistance | acc. to IEC 60068-2-6 |
| Shock resistance | acc. to IEC 60068-2-27 |

## Material Data

| | |
|---|---|
| General | Silicon and halogen free |
| Potting | Fully encapsulated with conformal coating (UL 94 V0) |
| Enclosure | PA 66 (UL 94 V0); RAL 7035 |
| Contacts | |
| I/O slot | Socket, M8 x 1, 3-pole |
| Contact | CuSn, pre-nickeled and 0.8 µm gold-plated |
| Tapped bush | Zn diecast nickel-plated |
| Seal | Viton |
| Connection cycles | 50 |

Downloaded from Arrow.com.