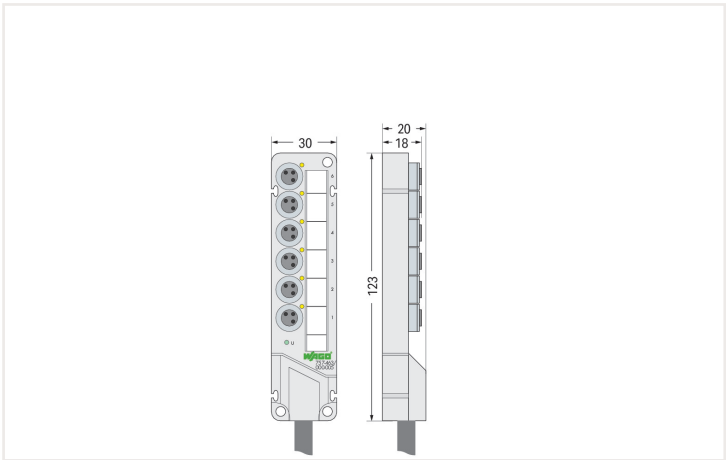
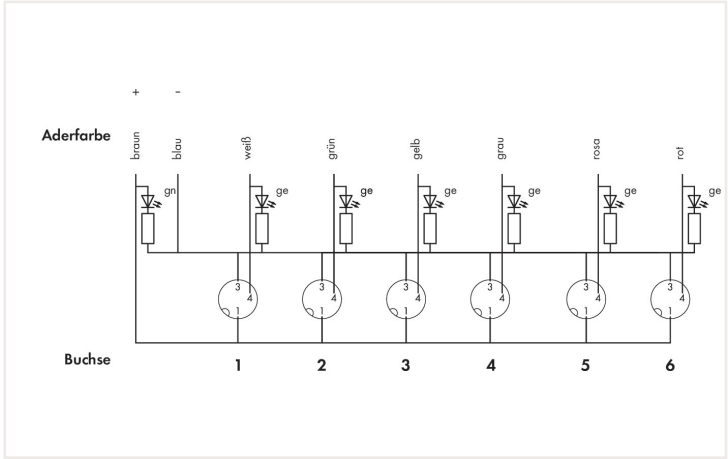




- M8 sensor/actuator box, 6-way
- 3-pole (1 signal per contact)
- Cable length: 5 and 10 m
- Green LED operating indicator
- Yellow LED status indicator
- incl. marking strips (WMB markers can also be used)
- incl. M8 protective caps (2 pcs)

| Technical data                                 |                                                                                        |
|------------------------------------------------|----------------------------------------------------------------------------------------|
| Contact resistance (max.)                      | 0.01 Ω                                                                                 |
| Supply voltage                                 | 10 ... 30 VDC; Rated voltage: 32 V ~ rms                                               |
| Current carrying capacity (signal connections) | 2 A                                                                                    |
| Current carrying capacity (supply connections) | 6 A                                                                                    |
| Rated value of electrical isolation            | 500 V                                                                                  |
| Functionally separated potential groups        | Kontakt/Kontakt                                                                        |
| Insulation resistance                          | 1000 MΩ                                                                                |
| Signal characteristics                         | PNP                                                                                    |
| Indicators                                     | LED yellow: Signal status (1 x per contact); LED (U) green: Sensor/actuator box status |

| Connection data                       |                                                                |
|---------------------------------------|----------------------------------------------------------------|
| Connection technology: inputs/outputs | 6 x M8 socket; 3-pole                                          |
| Connection technology: trunk cable    | 1 x Fixed connecting cable                                     |
| Length of connection cable            | 5 m                                                            |
| Strip length                          | 100 mm / 3.94 inches                                           |
| Wire colors                           | white, green, yellow, gray, pink, red, brown, blue             |
| Cable design                          | Wire cross-section: 0.34 mm²; Wire cross-section (2): 0.75 mm² |

| Physical data |                       |
|---------------|-----------------------|
| Width         | 30 mm / 1.181 inches  |
| Height        | 20 mm / 0.787 inches  |
| Depth         | 123 mm / 4.843 inches |

| Mechanical data |             |
|-----------------|-------------|
| Mounting type   | Screw mount |

| Material data                          |                                                                                                                                          |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Housing material                       | PA 66 (UL 94 V0); RAL 7035; silicon and halogen free                                                                                     |
| Halogen-free                           | Yes                                                                                                                                      |
| Sheathed cable diameter                | 7.2 mm                                                                                                                                   |
| Bending radius                         | 10 x cable diameter (min.) for flexible application                                                                                      |
| Material properties of the connections | Contact: CuSn, nickel base-coat plating and 0.8 µm gold-plated; Threaded bush: die-cast Zn, nickel-plated; Seal: Viton; 50 mating cycles |
| Sheath material                        | PUR                                                                                                                                      |
| Sheathed cable color                   | black                                                                                                                                    |
| Encapsulation                          | Fully encapsulated with conformal coating (UL 94 V0)                                                                                     |

| Environmental requirements                |                                                                                                                |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Ambient temperature (operation)           | -25 ... +80 °C                                                                                                 |
| Ambient (operating) temperature (dynamic) | -5 ... +80 °C                                                                                                  |
| Ambient (operating) temperature (static)  | -40 ... +80 °C                                                                                                 |
| Protection type                           | IP68                                                                                                           |
| Note on protection type                   | 72 h at a depth of 1 m under water per EN 60529 in the fully locked position with its plugs or protective caps |
| Pollution degree (5)                      | 3 per VDE 0110                                                                                                 |
| Vibration resistance                      | per IEC 60068-2-6                                                                                              |
| Shock resistance                          | per IEC 60068-2-27                                                                                             |

| Commercial data                     |               |
|-------------------------------------|---------------|
| eCl@ss 10.0                         | 27-44-01-08   |
| eCl@ss 9.0                          | 27-44-01-08   |
| ETIM 8.0                            | EC002585      |
| ETIM 7.0                            | EC002585      |
| PU (SPU)                            | 1 Stück       |
| Packaging type                      | Box           |
| Country of origin VKOrg Germany     | DE            |
| GTIN                                | 4044918978613 |
| Customs tariff number VKOrg Germany | 85366990990   |

Approvals and certificates

UL-Approvals



|                                                    |        |               |
|----------------------------------------------------|--------|---------------|
| UL                                                 | UL 508 | E175199 Sec.5 |
| UL International Germany GmbH (ORDINARY LOCATIONS) |        |               |

Downloads

Environmental Product Compliance

|                                                     |
|-----------------------------------------------------|
| Compliance Search                                   |
| Environmental Product Compliance<br>757-463/000-005 |



Documentation

|                                                     |
|-----------------------------------------------------|
| System Description                                  |
| Sensor/Actuator Boxes – General Product Information |

pdf  
428.34 KB



|                                                          |
|----------------------------------------------------------|
| Additional Information                                   |
| Disposal; Electrical and electronic equipment, Packaging |

V 1.0.0

pdf  
259.56 KB



CAD/CAE-Data

|                                 |
|---------------------------------|
| CAD data                        |
| 2D/3D Models<br>757-463/000-005 |



|                                      |
|--------------------------------------|
| CAE data                             |
| EPLAN Data Portal<br>757-463/000-005 |
| WSCAD Universe<br>757-463/000-005    |
| ZUKEN Portal<br>757-463/000-005      |



1 Compatible products

1.1 Optional accessories

1.1.1 Cover

1.1.1.1 Cover



: 756-8101  
M8 protective cap; for unused sockets

## 1.1.2 Installation

### 1.1.2.1 Intermediate plate



: [757-060](#)

Spacer module for sensor/actuator box; 6-way

## 1.1.3 Marking

### 1.1.3.1 Marking devices



: [210-110](#)

Fiber-tip pen

### 1.1.3.2 Marking strip



: [757-061](#)

Marking strips; cut to a defined length; not stretchable; plain; snap-on type