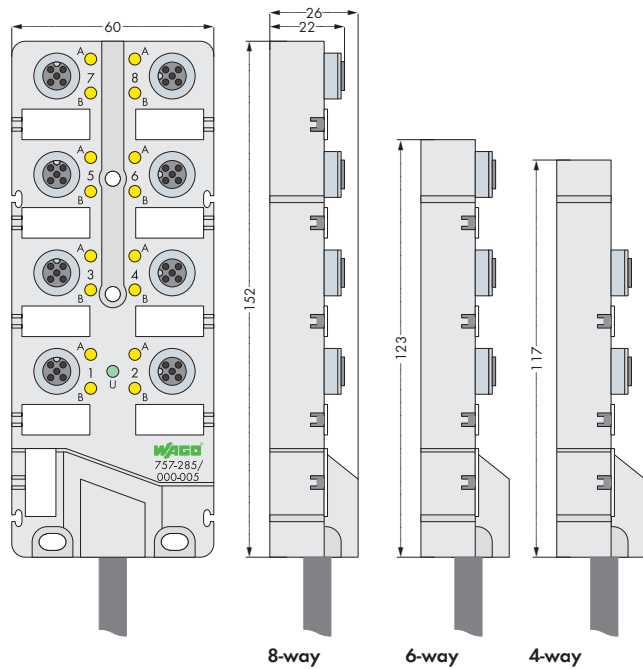


# M12 Sensor/Actuator Boxes

5-pole, with cable connection

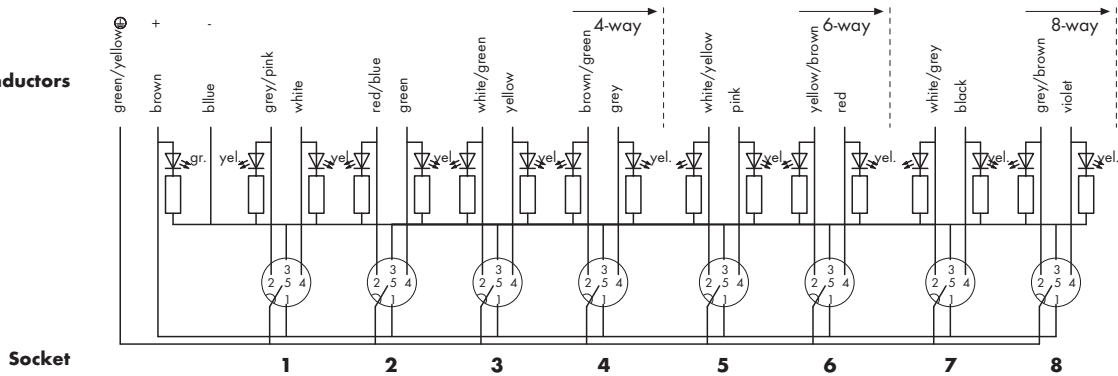


- 4-, 6- and 8-way sensor/actuator boxes
- 5 poles (2 signals per contact)
- Cable length 5 and 10 m
- Green LED operating indicator
- Yellow LED status indicator
- incl. markers (10 pcs)
- incl. M12 protective caps (2 pcs)

Description	Item No.	Pack. Unit
<b>M12 sensor/actuator box</b>		
4-way, 5-pole, 5m connecting cable	757-245/000-005	1
4-way, 5-pole, 10m connecting cable	757-245/000-010	1
6-way, 5-pole, 5m connecting cable	757-265/000-005	1
6-way, 5-pole, 10m connecting cable	757-265/000-010	1
8-way, 5-pole, 5m connecting cable	757-285/000-005	1
8-way, 5-pole, 10m connecting cable	757-285/000-010	1
8-way, 5-pole, 25m connecting cable	757-285/000-025	1
<b>Accessories</b>		
Marker card, marking pen, spacer module and protective cap	see page 596	
IP67 cables and connectors	see page 597 + Section 11	
<b>Approvals</b>		
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; 9 A per SA box
Rated voltage	32 V ~ eff.
Insulation voltage	1 kV / 3 s
Insulation resistance	> 10 <sup>9</sup> Ω
Degree of pollution	3 acc. to VDE 0110
Switching function	PNP

### Color of conductors



### Mechanical Data

Degree of protection	IP68 (1 meter water depth for 72 hours) acc. to EN 60529 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: 60 x 26 x 117 6-way: 60 x 26 x 123 8-way: 60 x 26 x 152
Weight	4-way: 165 g 6-way: 185 g 8-way: 225 g without cable
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, M12 x 1, 5-pole incl. PE
Contact	CuSn, pre-nickelated and 0.8 µm gold-plated
Tapped bush	Zn diecast nickel-plated
Seal	Viton
Connection cycles	50
Connecting cable	
Cable design	Outer sheath PUR halogen-free Black Cable end 100 mm stripped
Cable Ø	8.2 mm SA box 4-way 8.8 mm SA box 6-way 9.7 mm SA box 8-way
Conductor design	n x 0.34 mm <sup>2</sup> + 3 x 1.00 mm <sup>2</sup> conductor 0.34 mm <sup>2</sup> extra-fine stranded 43 x 0.1 mm conductor 1.00 mm <sup>2</sup> extra-fine stranded 55 x 0.15 mm color identification of conductors
Suitable for drag chain applications	
bending radius	min. 10 x cable Ø
amb. temperature range	-40 °C ... +90 °C stagnant; -5 °C ... +80 °C moving