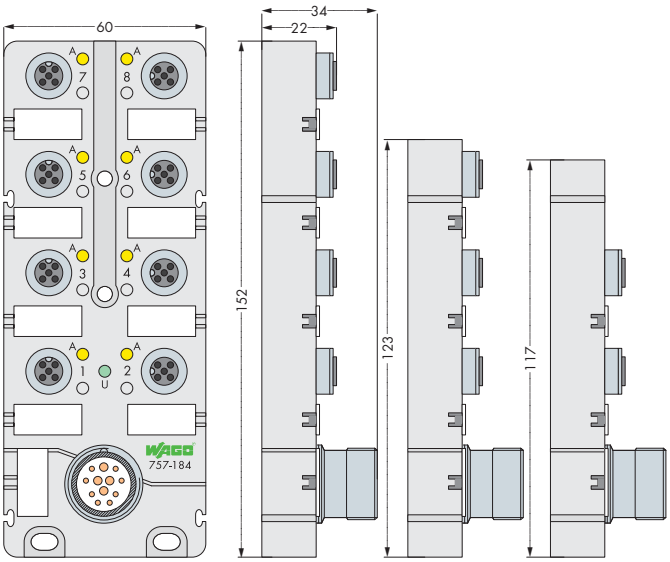
M12 Sensor/Actuator Boxes

4-pole, with M23 connection



8-way 6-way 4-way

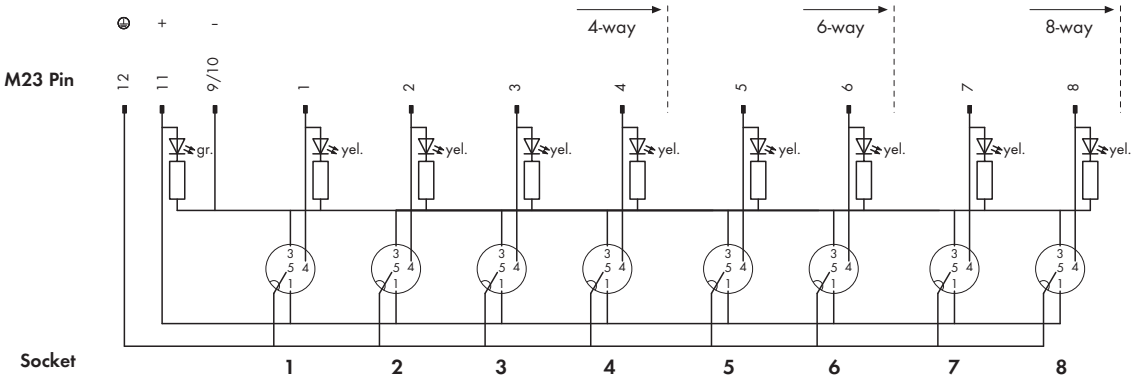
- 4-, 6- and 8-way sensor/actuator boxes
- 4 poles (1 signal per contact)
- M23 connector (12 poles)
- Green LED operating indicator
- Yellow LED status indicator
- incl. markers (10 pcs)
- incl. M12 protective caps (2 pcs)

Description	Item No.	Pack. Unit
M12 sensor/actuator box		
4-way, 4-pole, M23 connector	**757-144**	1
6-way, 4-pole, M23 connector	**757-164**	1
8-way, 4-pole, M23 connector	**757-184**	1

Accessories	Item No.
Marker card, 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; 9 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



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: 60 x 34 x 117
	6-way: 60 x 34 x 123
	8-way: 60 x 34 x 152
Weight	4-way: 180 g
	6-way: 195 g
	8-way: 235 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, M12 x 1, 4-pole incl. PE
Contact	CuSn, pre-nickeled and 0.8 µm gold-plated
Tapped bush	Zn diecast nickel-plated
Seal	Viton
Connection cycles	50