

M12 Actuator/Sensor Distribution Boxes

ASBV

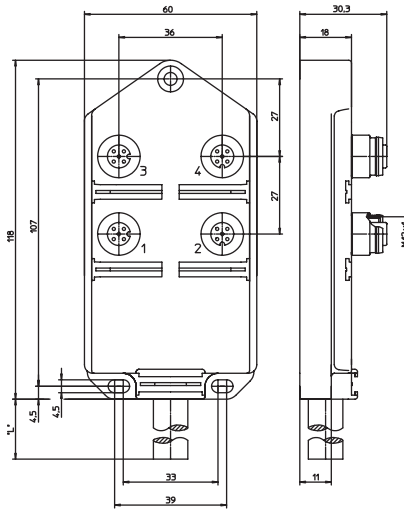


8-Ports

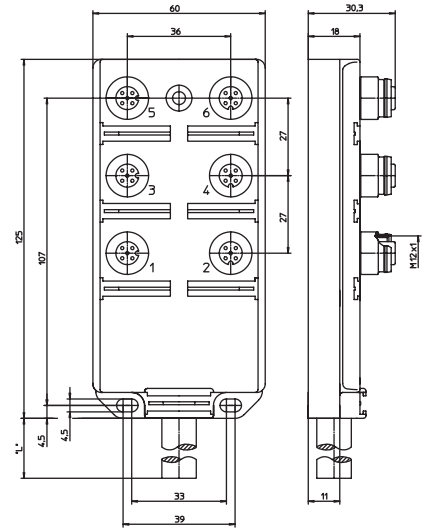
Actuator/sensor distribution box, top-entry, 4-, 6-, and 8-ports, M12 sockets, 5-poles, 2 signals per socket, with integrated control cable.

— control cable is suitable for c-track applications —

4-Ports



6-Ports



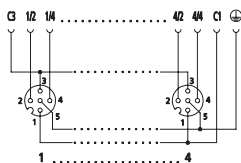
Pin Assignments

M12

Wiring Diagrams

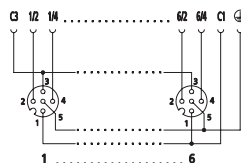


4-Ports



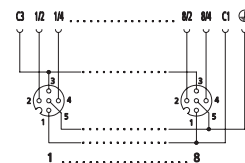
- | | |
|------------------|-----------------|
| 1 = brown | (C1) |
| 2 = grey/pink | (1) |
| | red/blue (2) |
| | white/green (3) |
| | brown/green (4) |
| | blue (C3) |
| | white (1) |
| | green (2) |
| | yellow (3) |
| | grey (4) |
| 5 = green/yellow | (PE) |

6-Ports



- | | | | |
|---------------|------------------|------------------|------------|
| 1 = brown | (C1) | 4 = white | (1) |
| 2 = grey/pink | (1) | | green (2) |
| | red/blue (2) | | yellow (3) |
| | white/green (3) | | grey (4) |
| | brown/green (4) | | pink (5) |
| | white/yellow (5) | | red (6) |
| | yellow/brown (6) | 5 = green/yellow | |
| 3 = blue | (C3) | (PE) | |

8-Ports



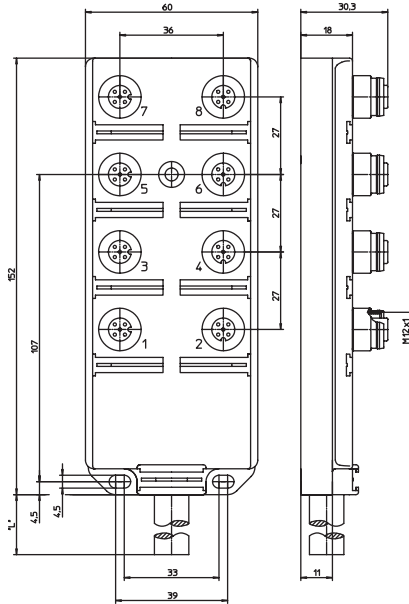
- | | | | |
|---------------|------------------|------------------|------------|
| 1 = brown | (C1) | 3 = blue | (C3) |
| 2 = grey/pink | (1) | 4 = white | (1) |
| | red/blue (2) | | green (2) |
| | white/green (3) | | yellow (3) |
| | brown/green (4) | | grey (4) |
| | white/yellow (5) | | pink (5) |
| | yellow/brown (6) | | red (6) |
| | white/gray (7) | | black (7) |
| | grey/brown (8) | | violet (8) |
| | | 5 = green/yellow | (PE) |

Be Certain with Belden

M12 Actuator/Sensor Distribution Boxes

ASBV 4 5-256 | ASBV 6 5-332 | ASBV 8 5-242

8-Ports



Technical Data

Environmental

Degree of protection
Operating temperature range

IP 67 / NEMA 6P
-15°C (+5°F) / +80°C (+176°F)

Mechanical

Housing
Insert
Contact

TPU, self-extinguishing
PA GF, self-extinguishing
CuZn, pre-nickelated and 0.8
microns gold-plated
CuZn, nickel-plated
FKM

Receptacle shell
O-ring

Electrical

Contact resistance
Voltage rating
Current rating
Insulation resistance

≤5mΩ
30 V AC/DC
4 A per port / 12 A max. total
> 10⁹ Ω

Accessories (included)

ZVK
ZBS

2 dust covers for unused sockets
10 attachable labels

Cable Specifications

Cable No.	Outer Jacket	Conductor Size	Color	Outside Diameter
256	PUR, halogen-free	3 x 1.00 mm ² 8 x 0.50 mm ²	Black	.457" (11.6 mm)
332	PUR, halogen-free	3 x 1.00 mm ² 12 x 0.50 mm ²	Black	.358" (9.1 mm)
242	PUR, halogen-free	3 x 1.00 mm ² 16 x 0.50 mm ²	Black	.453" (11.5 mm)

Part Number	Ports	Standard Cable Length	Characteristics
ASBV 4 5-256/...M	4	5M and 10M	   
ASBV 6 5-332/...M	6	5M and 10M	   
ASBV 8 5-242/...M	8	5M and 10M	   