

M12 Actuator/Sensor Distribution Boxes

ASBV

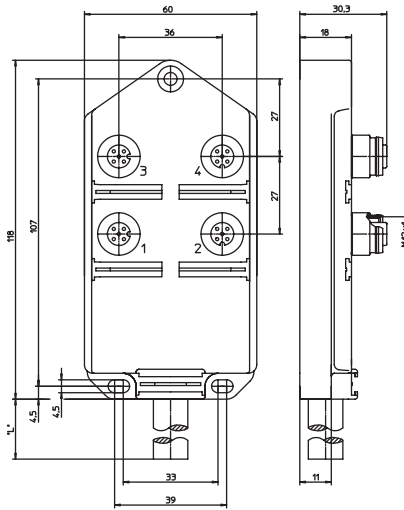


8-Ports

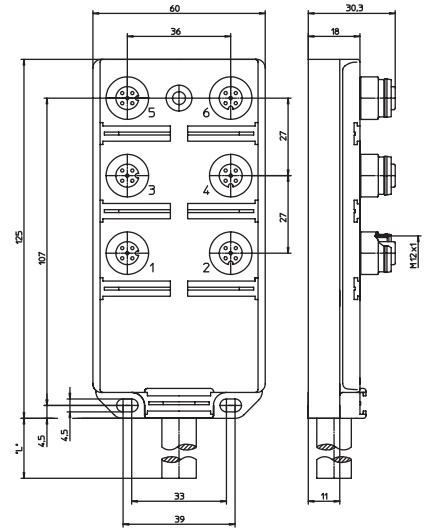
Actuator/sensor distribution box, top-entry, 4-, 6-, and 8-ports, M12 sockets, 5-poles, 2 signals per socket, with integrated control cable.

— control cable is suitable for c-track applications —

4-Ports



6-Ports



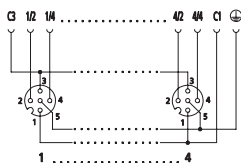
Pin Assignments

M12

Wiring Diagrams

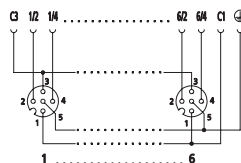


4-Ports



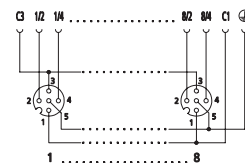
- | | |
|------------------|------|
| 1 = brown | (C1) |
| 2 = grey/pink | (1) |
| red/blue | (2) |
| white/green | (3) |
| brown/green | (4) |
| blue | (C3) |
| white | (1) |
| green | (2) |
| yellow | (3) |
| grey | (4) |
| 5 = green/yellow | (PE) |

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

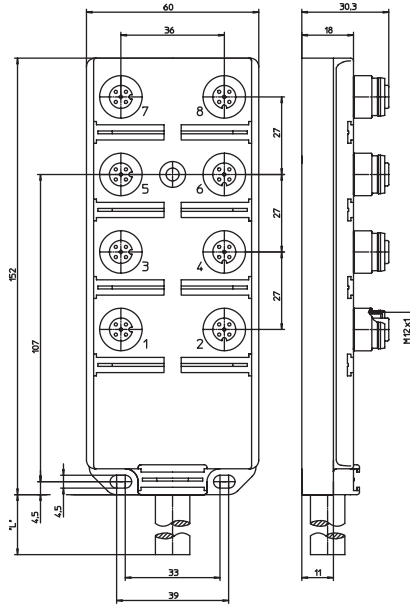


- | | | | |
|---------------|------|------------------|------|
| 1 = brown | (C1) | 3 = blue | (C3) |
| 2 = grey/pink | (1) | 4 = white | (1) |
| red/blue | (2) | green | (2) |
| white/green | (3) | yellow | (3) |
| brown/green | (4) | grey | (4) |
| white/yellow | (5) | pink | (5) |
| yellow/brown |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

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

IP 67 / NEMA 6P

Operating temperature range

-15°C (+5°F) / +80°C (+176°F)

Mechanical

Housing

TPU, self-extinguishing

Insert

PA GF, self-extinguishing

Contact

CuZn, pre-nickel and 0.8

microns gold-plated

CuZn, nickel-plated

FKM

Receptacle shell

O-ring

Electrical

Contact resistance

≤5mΩ

Voltage rating

30 V AC/DC

Current rating

4 A per port / 12 A max. total

Insulation resistance

> 10⁹ Ω

Accessories (included)

ZVK

2 dust covers for unused sockets

ZBS

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	   

Mouser Electronics

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[ASBV 4 5-256/20 M](#) [ASBV 8 5-242/15 M](#) [ASBV 4 5-256/10 M](#) [ASBV 4 5-256/10 P93](#) [ASBV 4 5-256/5 M](#) [ASBV 6 5-332/10 M](#) [ASBV 6 5-332/5 M](#) [ASBV 8 5-242/10 M](#) [ASBV 8 5-242/20 M](#) [ASBV 8 5-242/5 M](#)