

M12 Actuator/Sensor Distribution Boxes

ASBV

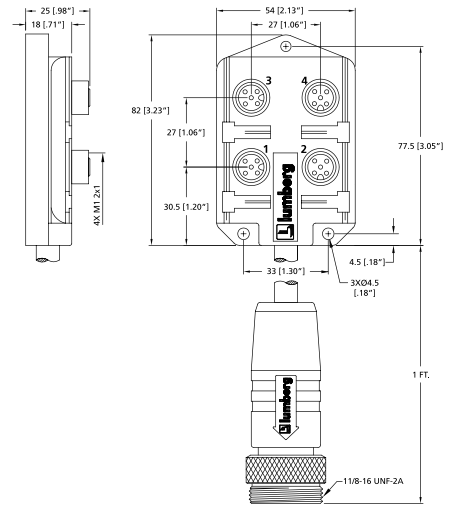


4- and 8-Ports (Dual Solenoids)

Actuator distribution box with dual solenoids, 8-ports, top-entry, M12 sockets, 3-poles, 2 signals per socket, with Mini quick-disconnect control cable.

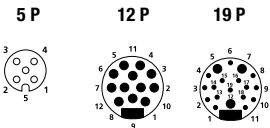
– control cable is suitable for c-track applications –

4-Ports



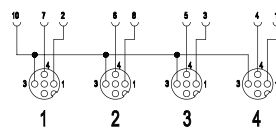
Pin Assignments

M12 / Mini 1 1/8"



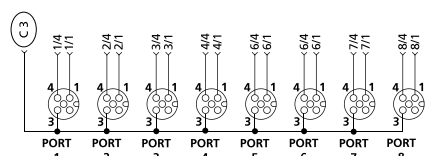
Wiring Diagrams

4-Ports



- 1 = brown/green
- 2 = grey/pink
- 3 = white/green
- 4 = grey
- 5 = yellow
- 6 = green
- 7 = white
- 8 = red/blue
- 9 = n.c.
- 10 = blue (-)
- 11 = n.c.
- 12 = n.c.

8-Ports



- | | | |
|-------------------|-----------------|-----------------|
| 1 = grey/pink (1) | 19 = white(1) | 15 = green (2) |
| red/blue (2) | 4 = green (2) | 6 = yellow (3) |
| white/green (3) | 8 = yellow (3) | 16 = grey (4) |
| brown/green (4) | 14 = grey (4) | 3 = pink (5) |
| white/yellow (5) | 9 = pink (5) | 17 = red (6) |
| yellow/brown (6) | 13 = red (6) | 2 = black (7) |
| white/grey (7) | 10 = black (7) | 11 = violet (8) |
| grey/brown(8) | 18 = violet (8) | 1 = n.c. |
| 3 = blue (C3) (-) | 5 = n.c. | 7 = |

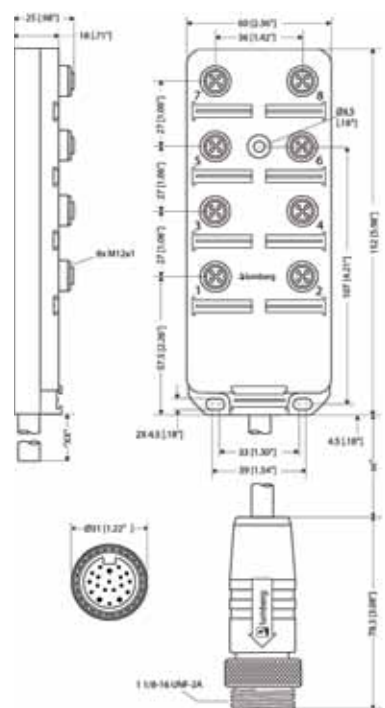


Be Certain with Belden

M12 Actuator/Sensor Distribution Boxes

ASBV 4 4-3-138/RS120M | ASBV 8 4-3-139/RS190M

8-Ports



Technical Data

Environmental

Degree of protection IP 67 / NEMA 6P
 Operating temperature range -15°C (+5°F) / +90°C (+194°F)

Mechanical

Housing PUR, grey
 Insert Nylon
 Contact CuZn, gold plated
 Receptacle shell CuZn, nickel-plated
 O-ring FKM

Mini Quick Disconnect

Molded body PUR, yellow
 Insert PUR, yellow
 Contact CuZn, gold plated
 Coupling nut Aluminum, black anodized

Electrical

Contact resistance ≤5mΩ
 Voltage rating 250 V
 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
138	PUR/PVC	1 x 0.75 mm ² 8 x 0.34 mm ²	Black	.354" (9.0 mm)
139	PUR/PVC	1 x 1.00 mm ² 16 x 0.34 mm ²	Black	.425" (10.8 mm)

Part Number	Ports	Standard Cable Length	Characteristics
ASBV 4 4-3-138/RS120M	4	1F	
ASBV 8 4-3-139/RS190M	8	1F	