

M12 Actuator/Sensor Distribution Boxes

ASB 4/LED | ASB 6/LED | ASB 8/LED

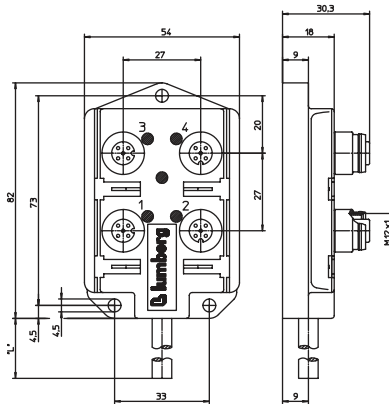


4-, 6-, and 8-Ports (LED)

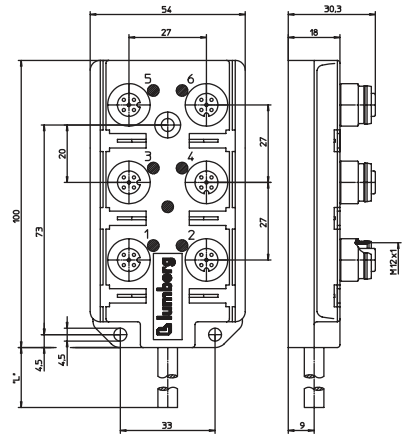
Actuator/sensor distribution box with LED operation and function indicators, top-entry, 4-, 6-, and 8-ports, M12 sockets, 4-poles, 1 signal per socket, with integrated control cable.

— control cable is suitable for c-track applications —

4-Ports



6-Ports

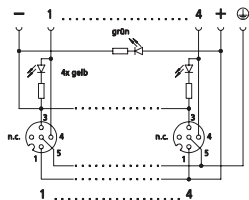


Pin Assignments

M12 Wiring Diagrams

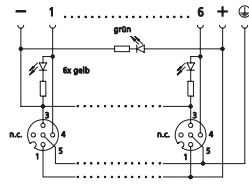


4-Ports



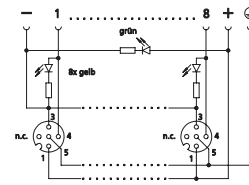
- 1 = brown (C1)
- 2 = n.c.
- 3 = blue (C3)
- 4 = white (1)
- green (2)
- yellow (3)
- grey (4)
- 5 = green/yellow (PE)

6-Ports

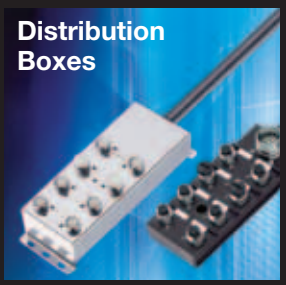


- 1 = brown (C1)
- 2 = n.c.
- 3 = blue (C3)
- 4 = white (1)
- green (2)
- yellow (3)
- grey (4)
- pink (5)
- red (6)
- 5 = green/yellow (PE)

8-Ports



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

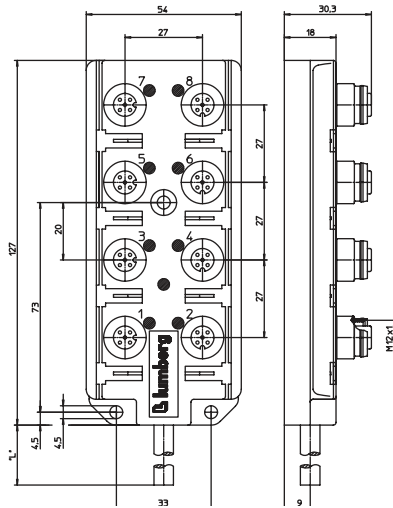


Be Certain with Belden

M12 Actuator/Sensor Distribution Boxes

ASB 4/LED 5-4-328 | ASB 6/LED 5-4-330 | ASB/LED 8 5-4-331

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
 Receptacle shell CuZn, nickel-plated
 O-ring FKM

Electrical

Contact resistance ≤5mΩ
 Voltage rating 10-30 V 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
328	PUR, halogen-free	3 x 0.75 mm ² 4x 0.34 mm ²	Black	.268" (6.8 mm)
330	PUR, halogen-free	3 x 0.75 mm ² 6x 0.34 mm ²	Black	.299" (7.6 mm)
331	PUR, halogen-free	3 x 0.75 mm ² 8 x 0.34 mm ²	Black	.315" (8.0 mm)

Part Number	Ports	Standard Cable Length	Characteristics
ASB 4/LED 5-4-328/...M	4	5M and 10M	
ASB 6/LED 5-4-330/...M	6	5M and 10M	
ASB 8/LED 5-4-331/...M	8	5M and 10M	

Distribution Boxes