

## M12 Actuator/Sensor Distribution Boxes

ASBV.../LED

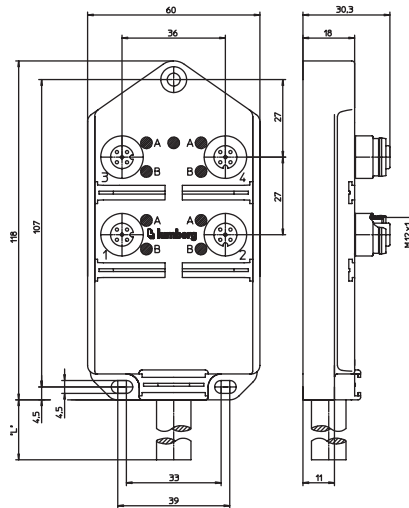


### 8-Ports (LED)

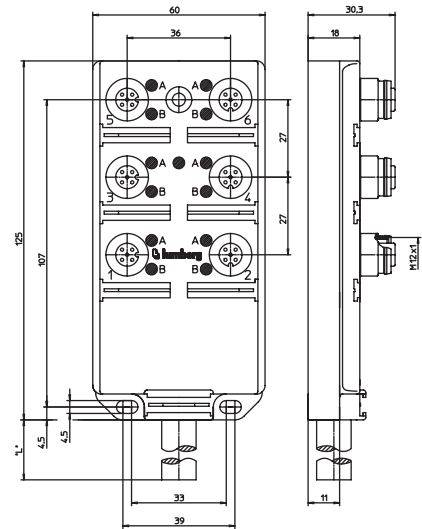
Actuator/sensor distribution box with LED operation and function indicators, top-entry, 4-, 6-, and 8-ports, M12 sockets, 5-poles, 2 signals per socket, with integrated control cable.

— control cable is suitable for c-track applications —

### 4-Ports



### 6-Ports

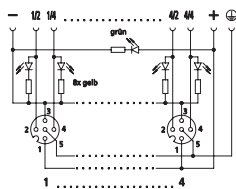


## Pin Assignments

### M12 Wiring Diagrams

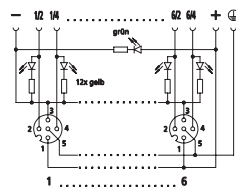


#### 4-Ports



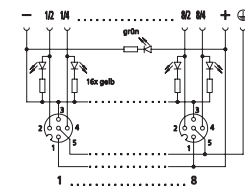
- |                  |      |
|------------------|------|
| 1 = brown        | (C1) |
| 2 = grey/pink    | (1)  |
| red/blue         | (2)  |
| white/green      | (3)  |
| brown/green      | (4)  |
| blue             | (C3) |
| white            | (1)  |
| green            | (2)  |
| yellow          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

#### 8-Ports



- |               |      |                  |      |
|---------------|------|------------------|------|
| 1 = brown     | (C1) | 3 = blue         | (-)  |
| 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/grey    | (7)  | black            | (7)  |
| grey/brown    | (8)  | violet           | (8)  |
|               |      | 5 = green/yellow | (PE) |

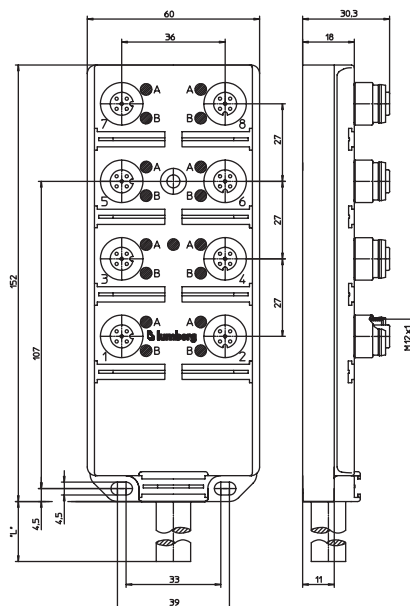


Be Certain with Belden

## M12 Actuator/Sensor Distribution Boxes

ASBV 4/LED 5-256 | ASBV 6/LED 5-332 | ASBV 8/LED 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

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

> 10<sup>9</sup> 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 <sup>2</sup><br>8 x 0.50 mm <sup>2</sup>  | Black | .457" (11.6 mm)  |
| 332       | PUR, halogen-free | 3 x 1.00 mm <sup>2</sup><br>12x 0.50 mm <sup>2</sup>  | Black | .358" (9.1 mm)   |
| 242       | PUR, halogen-free | 3 x 1.00 mm <sup>2</sup><br>16 x 0.50 mm <sup>2</sup> | Black | .453" (11.5 mm)  |

| Part Number           | Ports | Standard Cable Length | Characteristics   |
|-----------------------|-------|-----------------------|---|
| ASBV 4/LED 5-256/...M | 4     | 5M, 10M, 15M          |     |
| ASBV 6/LED 5-332/...M | 6     | 5M, 10M, 15M          |     |
| ASBV 8/LED 5-242/...M | 8     | 5M, 10M, 15M          |     |