



## UNITRONIC® SENSOR SH M12

M12 plug/socket on free conductor end, shielded



### Info

- Other types are available on [www.lappgroup.com/assemblyfinder](http://www.lappgroup.com/assemblyfinder) or upon request

### Benefits

- Cost-saving due to quick and easy installation
- Space-saving due to compact dimensions
- Fast and easy error tracking
- Integrated vibration protection (mechanical lock-in)
- Gold-plated contacts for low transfer resistance

### Application range

- For increased mechanical stress and harsh operating conditions

### Product features

- UV-resistant
- Good resistance to oils and chemicals
- Shielding is conducted over the knurl
- Suitable for drag chains
- Including tag carrier

### Norm references / Approvals

- Halogenfree according to DIN VDE 0472
- UL File Number: E249137
- Flame-retardant according to UL 1581 FT-2

### Product Make-up

- Wire cross-section: 0,34 mm<sup>2</sup>
- Colour-code:
  - 3-pin: bn (1), bu (3), bk (4)
  - 4-pin: bn (1), wh (2), bu (3), bk (4)
  - 5-pin: bn (1), wh (2), bu (3), bk (4), gn/ye (5)
- Outer sheath: PUR, black
- Shielded version

### Suitable tools

- DATA STRIP stripping tool refer to page 1001

### Technical data

**ETIM** ETIM 5.0 Class-ID: EC001855  
ETIM 5.0 Class-Description: Sensor-actuator patch cord

**Material**  
Contact: CuSn  
Contact surface: Ni/Au  
Knurl: Zinc die-cast, nickel-plated  
Gripping body: TPU, flame-retardant, self-extinguishing

**Minimum bending radius**  
Fixed installation: 5 x outer diameter  
Flexing: 10 x outer diameter

**IP** IP65/IP67

**Ambient temperature (operation)**  
Plug/socket -25°C to +90°C  
Fixed installation -25°C to +80°C  
Flexing -25°C to +80°C

**Coding**  
A-standard

**Rated current (A)**  
4 A

Article number	Article designation	Number of pins	Length (m)	Design	Rated voltage (V)	PU
<b>3-pin</b>						
<b>plug</b>						
22260453	AB-C3-M12MS- 2,0PUR-SH	3	2	straight	250	1
22260454	AB-C3-M12MS- 5,0PUR-SH	3	5	straight	250	1
22260455	AB-C3-M12MS-10,0PUR-SH	3	10	straight	250	1
<b>Socket</b>						
22260450	AB-C3- 2,0PUR-M12FS-SH	3	2	straight	250	1
22260451	AB-C3- 5,0PUR-M12FS-SH	3	5	straight	250	1
22260452	AB-C3-10,0PUR-M12FS-SH	3	10	straight	250	1
22260071	AB-C3- 2,0PUR-M12FA-SH	3	2	angled	250	1
22260072	AB-C3- 5,0PUR-M12FA-SH	3	5	angled	250	1
22260073	AB-C3-10,0PUR-M12FA-SH	3	10	angled	250	1
<b>4-pin</b>						
<b>plug</b>						
22260459	AB-C4-M12MS- 2,0PUR-SH	4	2	straight	250	1
22260460	AB-C4-M12MS- 5,0PUR-SH	4	5	straight	250	1
22260461	AB-C4-M12MS-10,0PUR-SH	4	10	straight	250	1
<b>Socket</b>						
22260456	AB-C4- 2,0PUR-M12FS-SH	4	2	straight	250	1
22260457	AB-C4- 5,0PUR-M12FS-SH	4	5	straight	250	1
22260458	AB-C4-10,0PUR-M12FS-SH	4	10	straight	250	1
22260074	AB-C4- 2,0PUR-M12FA-SH	4	2	angled	250	1
22260675	AB-C4- 5,0PUR-M12FA-SH	4	5	angled	250	1
22260680	AB-C4-10,0PUR-M12FA-SH	4	10	angled	250	1
<b>5-pin</b>						
<b>plug</b>						
22260465	AB-C5-M12MS- 2,0PUR-SH	5	2	straight	60	1
22260466	AB-C5-M12MS- 5,0PUR-SH	5	5	straight	60	1
22260467	AB-C5-M12MS-10,0PUR-SH	5	10	straight	60	1
<b>Socket</b>						
22260462	AB-C5- 2,0PUR-M12FS-SH	5	2	straight	60	1
22260463	AB-C5- 5,0PUR-M12FS-SH	5	5	straight	60	1
22260464	AB-C5-10,0PUR-M12FS-SH	5	10	straight	60	1
22260946	AB-C5- 2,0PUR-M12FA-SH	5	2	angled	60	1
22260714	AB-C5- 5,0PUR-M12FA-SH	5	5	angled	60	1
22260991	AB-C5-10,0PUR-M12FA-SH	5	10	angled	60	1

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.  
Copper price basis: inclusive of copper. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.  
Photographs are not to scale and do not represent detailed images of the respective products.  
UL certifications can be found in the data sheet

### Accessories

- FLEXIMARK® Label LMB refer to page 951