

UNITRONIC® SENSOR SH M12

M12 plug/socket on free conductor end, shielded

Sensor/actuator cordset, M12, PUR halogenfree, 3-, 4-, 5-pin. versions, straight and angled M12 plugs and sockets, shielded, A-coded, IP65/IP67/IP68

Info

Other types are available at
www.lappgroup.com/assemblyfinder
 or on request



Supplementary automation components from Lapp



Mechanical and plant engineering



Space requirement



Power chain



Interference signals



Waterproof

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

Last Update (23.04.2024)

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

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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 mm²
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), gy (5)
Outer sheath: PUR, black
Shielded version

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC001855 ETIM 5.0 Class-Description: Sensor-actuator patch cord
Classification ETIM 6:	ETIM 6.0 Class-ID: EC001855 ETIM 6.0 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
Protection rating:	IP65/IP67
Ambient temperature (operation):	Plug/socket -25 °C to +90 °C Fixed installation -40 °C to +80 °C Flexing -25 °C to +80 °C
Coding:	A-standard
Rated current (A):	4 A

Note

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 and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

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UL certifications can be found in the data sheet.

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Article number	Article designation	Number of pins	Length (m)	Design	LED	Rated voltage (V)	PU
22260453	AB-C3-M12MS-2,0PUR-SH	3	2	straight	no	250	1
22260454	AB-C3-M12MS-5,0PUR-SH	3	5	straight	no	250	1
22260455	AB-C3-M12MS-10,0PUR-SH	3	10	straight	no	250	1
Socket							
22260450	AB-C3- 2,0PUR-M12FS-SH	3	2	straight	no	250	1
22260451	AB-C3- 5,0PUR-M12FS-SH	3	5	straight	no	250	1
22260452	AB-C3-10,0PUR-M12FS-SH	3	10	straight	no	250	1
22260071	AB-C3- 2,0PUR-M12FA-SH	3	2	angled	no	250	1
22260072	AB-C3- 5,0PUR-M12FA-SH	3	5	angled	no	250	1
22260073	AB-C3-10,0PUR-M12FA-SH	3	10	angled	no	250	1
22260459	AB-C4-M12MS-2,0PUR-SH	4	2	straight	no	250	1
22260460	AB-C4-M12MS-5,0PUR-SH	4	5	straight	no	250	1
22260461	AB-C4-M12MS-10,0PUR-SH	4	10	straight	no	250	1
Socket							
22260456	AB-C4- 2,0PUR-M12FS-SH	4	2	straight	no	250	1
22260457	AB-C4- 5,0PUR-M12FS-SH	4	5	straight	no	250	1
22260458	AB-C4-10,0PUR-M12FS-SH	4	10	straight	no	250	1
22260074	AB-C4- 2,0PUR-M12FA-SH	4	2	angled	no	250	1
22260675	AB-C4- 5,0PUR-M12FA-SH	4	5	angled	no	250	1
22260680	AB-C4-10,0PUR-M12FA-SH	4	10	angled	no	250	1

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Article number	Article designation	Number of pins	Length (m)	Design	LED	Rated voltage (V)	PU
22260465	AB-C5-M12MS-2,0PUR-SH	5	2	straight	no	60	1
22260466	AB-C5-M12MS-5,0PUR-SH	5	5	straight	no	60	1
22260467	AB-C5-M12MS-10,0PUR-SH	5	10	straight	no	60	1
Socket							
22260462	AB-C5- 2,0PUR-M12FS-SH	5	2	straight	no	60	1
22260463	AB-C5- 5,0PUR-M12FS-SH	5	5	straight	no	60	1
22260464	AB-C5-10,0PUR-M12FS-SH	5	10	straight	no	60	1
22260946	AB-C5- 2,0PUR-M12FA-SH	5	2	angled	no	60	1
22260714	AB-C5- 5,0PUR-M12FA-SH	5	5	angled	no	60	1
22260991	AB-C5-10,0PUR-M12FA-SH	5	10	angled	no	60	1