

## 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](http://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

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

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

PN 0456 / 02\_03.16

## UNITRONIC® SENSOR SH M12

### 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), 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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## UNITRONIC® SENSOR SH M12

UL certifications can be found in the data sheet.

## UNITRONIC® SENSOR SH M12

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
22262086	AB-C3- 6,0PUR-M12FS-SH	3	6	straight	no	250	1
22262077	AB-C3- 7,0PUR-M12FS-SH	3	7	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
22261099	AB-C4-M12MS-0,5PUR-SH	4	0.5	straight	no	250	1
22260375	AB-C4-M12MS-1,5PUR-SH	4	1.5	straight	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
22261067	AB-C4-M12MS-20,0PUR-SH	4	20	straight	no	250	1
22260369	AB-C4-M12MS-25,0PUR-SH	4	25	straight	no	250	1
22262125	AB-C4-M12MA-2,0P	4	2	angled	no	250	1

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	UR-SH						
Socket							
22260456	AB-C4- 2,0PUR-M12FS-SH	4	2	straight	no	250	1
22262126	AB-C4- 3,0PUR-M12FS-SH	4	3	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
22261100	AB-C4-15,0PUR-M12FS-SH	4	15	straight	no	250	1
22260823	AB-C4-20,0PUR-M12FS-SH	4	20	straight	no	250	1
22261061	AB-C4-25,0PUR-M12FS-SH	4	25	straight	no	250	1
22260160	AB-C4-30,0PUR-M12FS-SH	4	30	straight	no	250	1
22260074	AB-C4- 2,0PUR-M12FA-SH	4	2	angled	no	250	1
22260855	-	4	3	angled	no	250	-
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
22260374	AB-C4-20,0PUR-M12FA-SH	4	20	angled	no	250	1
22262170	AB-C4-30,0PUR-M12FA-SH	4	30	angled	no	250	1
22262171	AB-C4-50,0PUR-M12FA-SH	4	50	angled	no	250	1
22260465	AB-C5-M12MS-2,0PUR-SH	5	2	straight	no	60	1
22260441	AB-C5-M12MS-3,0PUR-SH	5	3	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

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Article number	Article designation	Number of pins	Length (m)	Design	LED	Rated voltage (V)	PU
22261064	AB-C5-M12MS-25,0P UR-SH	5	25	straight	no	60	1
22261004	AB-C5-M12MA-2,0P UR-SH	5	2	angled	no	60	1
Socket							
22260462	AB-C5- 2,0PUR- M12FS-SH	5	2	straight	no	60	1
22262136	AB-C5- 3,0PUR- M12FS-SH	5	3	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
22261057	AB-C5-20,0PUR- M12FS-SH	5	20	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
22260594	AB-C5-20,0PUR- M12FA-SH	5	20	angled	no	60	1
Plug							
22262173	AB-C8-M12MS-3,0P UR-SH	8	3	straight	no	30	1
22260733	AB-C8-M12MS-5,0P UR-SH	8	5	straight	no	30	1
22262189	AB-C8-M12MS-10,0P UR-SH	8	10	straight	no	30	1
Socket							
22262130	AB-C8-3,0PUR- M12FS-SH	8	3	straight	no	30	1
22262005	AB-C8-20,0PUR- M12FS-SH	8	20	straight	no	30	1
22261000	AB-C8-15,0PUR- M12FA-SH	8	15	angled	no	30	1
22262191	AB-C8-20,0PUR- M12FA-SH	8	20	angled	no	30	1
plug/socket							

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Article number	Article designation	Number of pins	Length (m)	Design	LED	Rated voltage (V)	PU
22260902	AB-C4-M12MS-2,0P UR-M12FS-SH	4	2	straight-straight	no	250	-
22260903	AB-C4-M12MS-5,0P UR-M12FS-SH	4	5	straight-straight	no	250	-
22260821	AB-C5-M12MS-1,0P UR-M12FS-SH	5	1	straight-straight	no	60	-
22262203	AB-C5-M12MS-2,0P UR-M12FS-SH	5	2	straight-straight	no	60	-
22260822	AB-C5-M12MS-10,0P UR-M12FS-SH	5	10	straight-straight	no	60	-
22262082	AB-C5-M12MA-3,0P UR-M12FA-SH	5	3	angled-angled	no	60	-
22262085	AB-C5-M12MA-4,0P UR-M12FA-SH	5	4	angled-angled	no	60	-
22261063	AB-C8-M12MS-2,0P UR-M12FS-SH	8	2	straight-straight	no	30	-
22260282	AB-C8-M12MS-5,0P UR-M12FS-SH	8	5	straight-straight	no	30	-
22260283	AB-C8-M12MS-10,0P UR-M12FS-SH	8	10	straight-straight	no	30	-

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