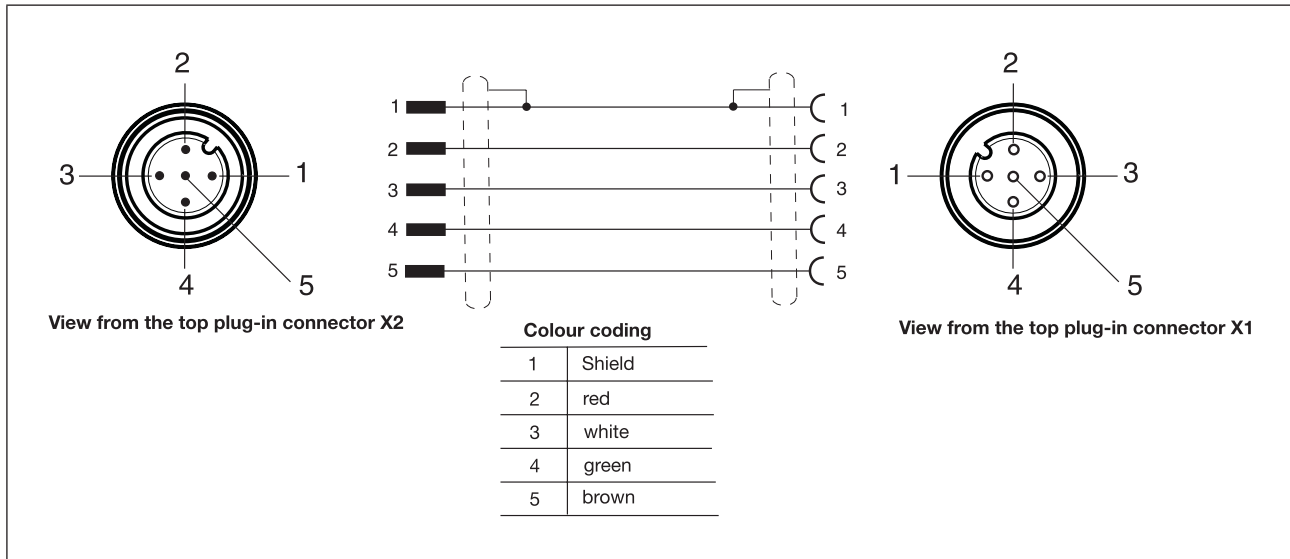


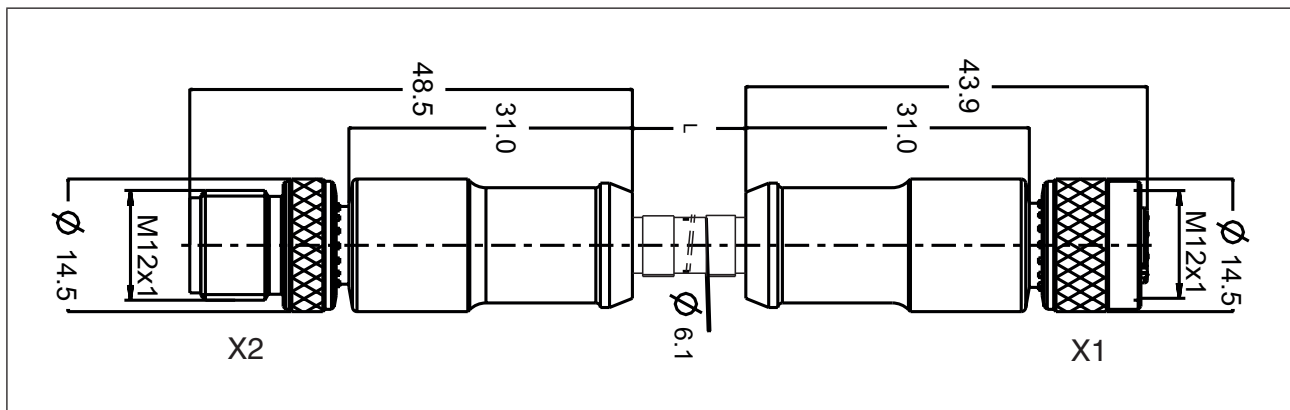
PSS67 SB LC Cable IN-OUT

Connector pin assignment



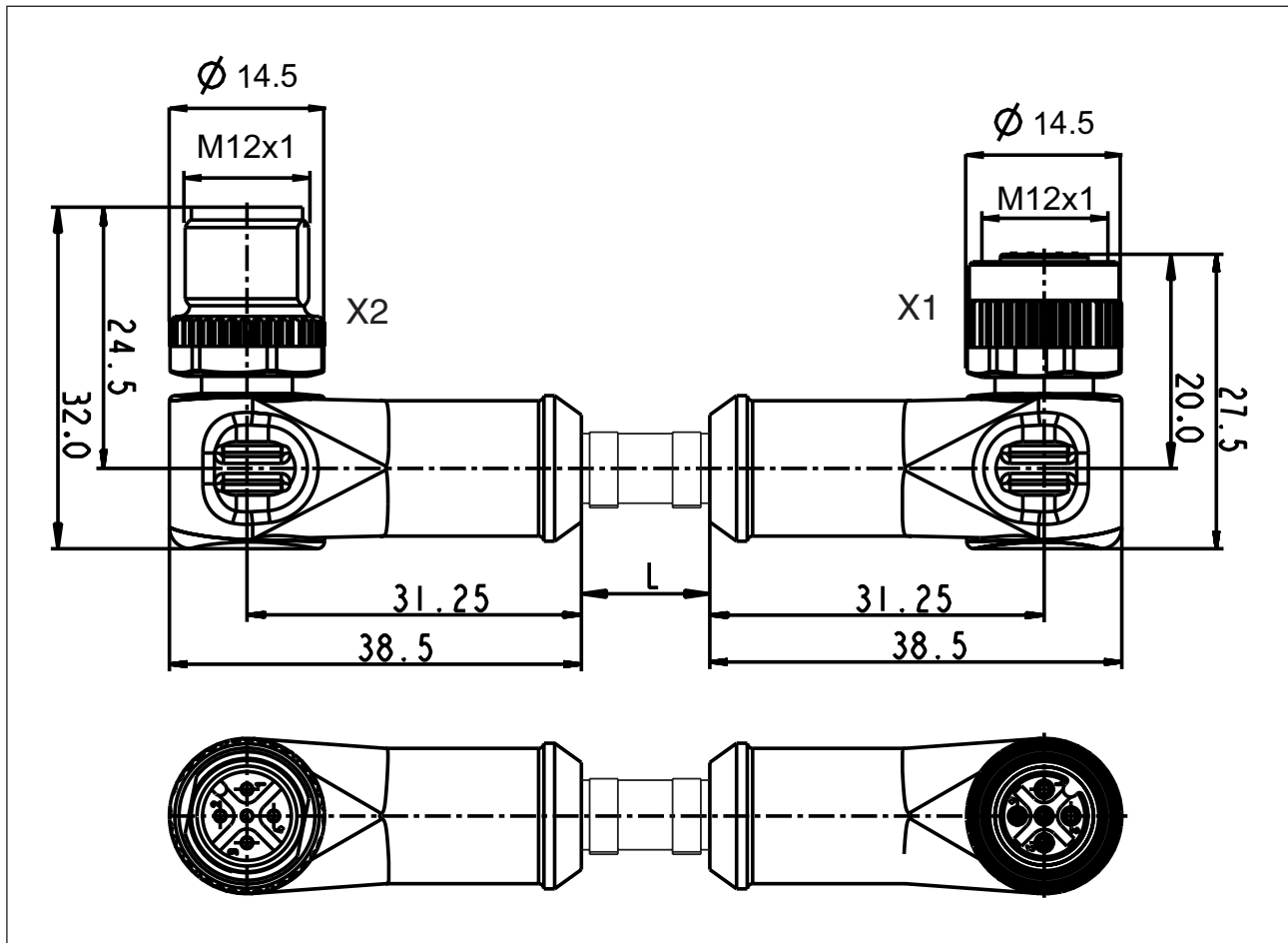
Dimensions

► M12 male connector, straight – M12 female connector, straight:



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- M12 male connector, angled – M12 female connector, angled:



PSS67 SB LC Cable IN-OUT

Technical details

Order no. 380500 – 380502

See below for more order numbers

Electrical data	380500	380501	380502
Rated voltage UB	30 V	30 V	30 V
Insulation resistance	100 MOhm	100 MOhm	100 MOhm
Test voltage	1.500 V	1.500 V	1.500 V
Characteristic impedance	100 - 120 Ohm	100 - 120 Ohm	100 - 120 Ohm
Volume resistance	3 mOhm	3 mOhm	3 mOhm
Rated current	4,0 A	4,0 A	4,0 A
Environmental data	380500	380501	380502
Ambient temperature			
Temperature range	-25 - 85 °C	-25 - 85 °C	-25 - 85 °C
Airgap creepage			
Pollution degree	3	3	3
Protection type			
X1 when inserted	IP68	IP68	IP68
X2 when inserted	IP68	IP68	IP68
Housing	IP68	IP68	IP68
Mechanical data	380500	380501	380502
Plug connector X1	M12, 5-pin female connector	M12, 5-pin female connector	M12, 5-pin female connector
In accordance with the standard	EN 61076-2-101	EN 61076-2-101	EN 61076-2-101
Form, plug connector X1	Straight	Straight	Straight
Plug connector X2	M12, 5-pin male connector	M12, 5-pin male connector	M12, 5-pin male connector
In accordance with the standard	EN 61076-2-101	EN 61076-2-101	EN 61076-2-101
Form, plug connector X2	Straight	Straight	Straight
Housing material X1	PUR	PUR	PUR
Housing material X2	PUR	PUR	PUR
Material of contact surface	Au	Au	Au
Pin material	CuZn	CuZn	CuZn
Socket material	CuSn	CuSn	CuSn
Mating cycles X1	100	100	100
Mating cycles X2	100	100	100
Cable type	TP-(ST)-PUR	TP-(ST)-PUR	TP-(ST)-PUR
Cable length L	3,00 m	5,00 m	10,00 m
Colour of external cable insulation	Signal yellow, RAL1003	Signal yellow, RAL1003	Signal yellow, RAL1003
Cable insulation material	PUR	PUR	PUR

PSS67 SB LC Cable IN-OUT

Mechanical data	380500	380501	380502
Suitable for drag chains	No	No	No
Cable diameter	6,10 mm	6,10 mm	6,10 mm
Cable cross section of data line AWG	24	24	24
Cable cross section of supply line AWG	22	22	22
Cable cross section of shield AWG	22	22	22
Cable cross section of data line	2 x 0,24 mm ²	2 x 0,24 mm ²	2 x 0,24 mm ²
Cable cross section of supply line	2 x 0,38 mm ²	2 x 0,38 mm ²	2 x 0,38 mm ²
Cable cross section of shield	1 x 0,38 mm ²	1 x 0,38 mm ²	1 x 0,38 mm ²
Wire diameter of data cable	1,20 mm	1,20 mm	1,20 mm
Wire diameter of supply cable	1,75 mm	1,75 mm	1,75 mm
Wire colour	Red, white, green, brown	Red, white, green, brown	Red, white, green, brown
Stranding	2 x twisted pair	2 x twisted pair	2 x twisted pair
Shielding	Yes	Yes	Yes
Shield type	Wire mesh	Wire mesh	Wire mesh
Wire layer separation	Yes	Yes	Yes
No. of wires	5	5	5
Cable approval	UL	UL	UL
Material			
Housing	PUR	PUR	PUR
Weight	101 g	191 g	546 g

PSS67 SB LC Cable IN-OUT

Order no. 380503 – 380505

Electrical data	380503	380504	380505
Rated voltage UB	30 V	30 V	30 V
Insulation resistance	100 MOhm	100 MOhm	100 MOhm
Test voltage	1.500 V	1.500 V	1.500 V
Characteristic impedance	100 - 120 Ohm	100 - 120 Ohm	100 - 120 Ohm
Volume resistance	3 mOhm	3 mOhm	3 mOhm
Rated current	4,0 A	4,0 A	4,0 A
Environmental data	380503	380504	380505
Ambient temperature			
Temperature range	-25 - 85 °C	-25 - 85 °C	-25 - 85 °C
Airgap creepage			
Pollution degree	3	3	3
Protection type			
X1 when inserted	IP68	IP68	IP68
X2 when inserted	IP68	IP68	IP68
Housing	IP68	IP68	IP68
Mechanical data	380503	380504	380505
Plug connector X1	M12, 5-pin female connector	M12, 5-pin female connector	M12, 5-pin female connector
In accordance with the standard	EN 61076-2-101	EN 61076-2-101	EN 61076-2-101
Form, plug connector X1	Angled	Angled	Angled
Plug connector X2	M12, 5-pin male connector	M12, 5-pin male connector	M12, 5-pin male connector
In accordance with the standard	EN 61076-2-101	EN 61076-2-101	EN 61076-2-101
Form, plug connector X2	Angled	Angled	Angled
Housing material X1	PUR	PUR	PUR
Housing material X2	PUR	PUR	PUR
Material of contact surface	Au	Au	Au
Pin material	CuZn	CuZn	CuZn
Socket material	CuSn	CuSn	CuSn
Mating cycles X1	100	100	100
Mating cycles X2	100	100	100
Cable type	TP-(ST)-PUR	TP-(ST)-PUR	TP-(ST)-PUR
Cable length L	3,00 m	5,00 m	10,00 m
Colour of external cable insulation	Signal yellow, RAL1003	Signal yellow, RAL1003	Signal yellow, RAL1003
Cable insulation material	PUR	PUR	PUR
Suitable for drag chains	No	No	No
Cable diameter	6,10 mm	6,10 mm	6,10 mm
Cable cross section of data line AWG	24	24	24

PSS67 SB LC Cable IN-OUT

Mechanical data	380503	380504	380505
Cable cross section of supply line AWG	22	22	22
Cable cross section of shield AWG	22	22	22
Cable cross section of data line	2 x 0,24 mm ²	2 x 0,24 mm ²	2 x 0,24 mm ²
Cable cross section of supply line	2 x 0,38 mm ²	2 x 0,38 mm ²	2 x 0,38 mm ²
Cable cross section of shield	1 x 0,38 mm ²	1 x 0,38 mm ²	1 x 0,38 mm ²
Wire diameter of data cable	1,20 mm	1,20 mm	1,20 mm
Wire diameter of supply cable	1,75 mm	1,75 mm	1,75 mm
Wire colour	Red, white, green, brown	Red, white, green, brown	Red, white, green, brown
Stranding	2 x twisted pair	2 x twisted pair	2 x twisted pair
Shielding	Yes	Yes	Yes
Shield type	Wire mesh	Wire mesh	Wire mesh
Wire layer separation	Yes	Yes	Yes
No. of wires	5	5	5
Cable approval	UL	UL	UL
Material			
Housing	PUR	PUR	PUR
Weight	191 g	289 g	549 g

Order reference

Order reference				
Product type	Features	Connector X1	Connector X2	Order no.
PSS67 SB LC Cable IN sf OUT sm, A, 3m	3 m	M12 female connector, straight	M12 male connector, straight	380 500
PSS67 SB LC Cable IN sf OUT sm, A, 5m	5 m	M12 female connector, straight	M12 male connector, straight	380 501
PSS67 SB LC Cable IN sf OUT sm, A, 10m	10 m	M12 female connector, straight	M12 male connector, straight	380 502
PSS67 SB LC Cable IN af OUT am, A, 3m	3 m	M12 female connector, angled	M12 male connector, angled	380 503
PSS67 SB LC Cable IN af OUT am, A, 5m	5 m	M12 female connector, angled	M12 male connector, angled	380 504
PSS67 SB LC Cable IN af OUT am, A, 10m	10 m	M12 female connector, angled	M12 male connector, angled	380 505