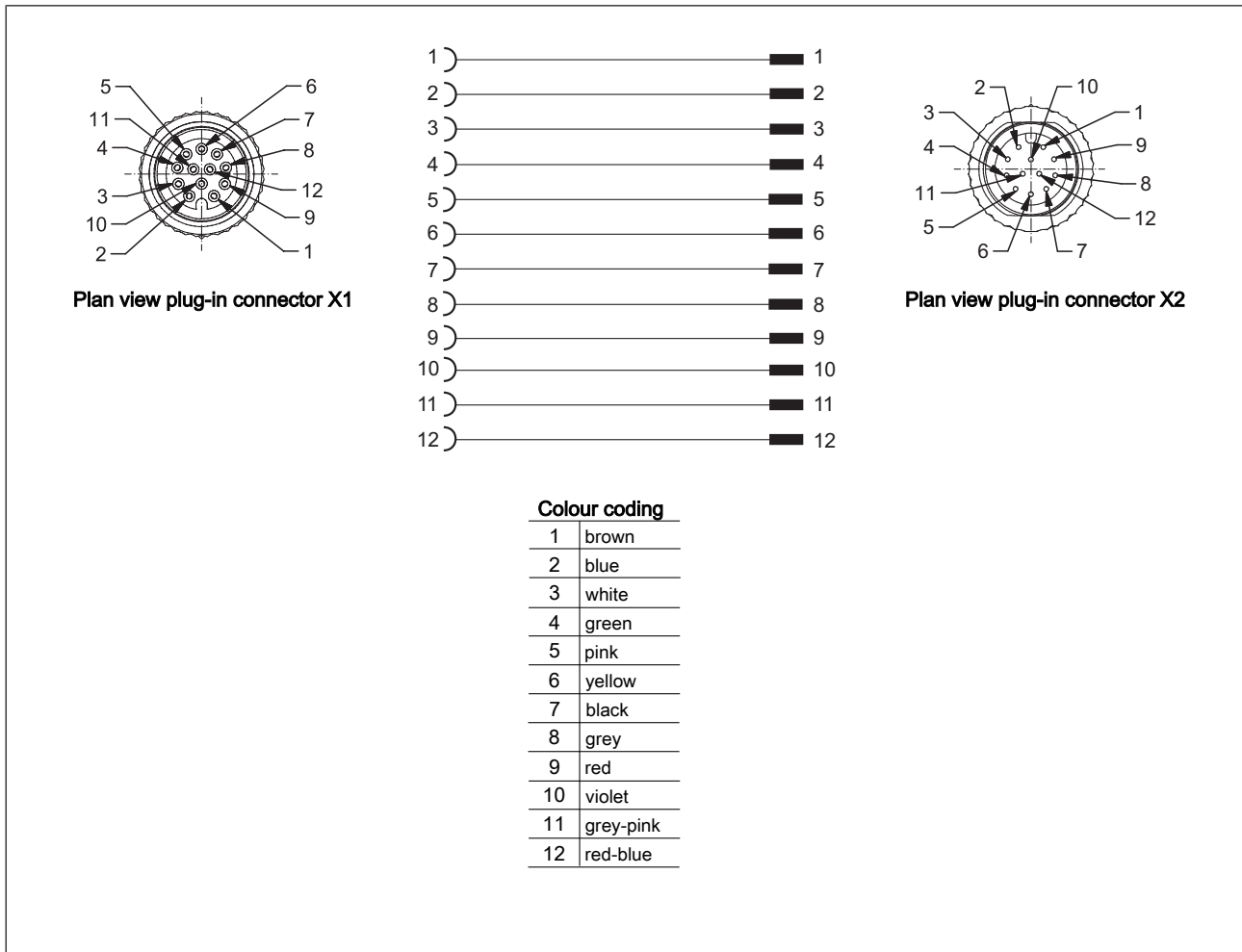
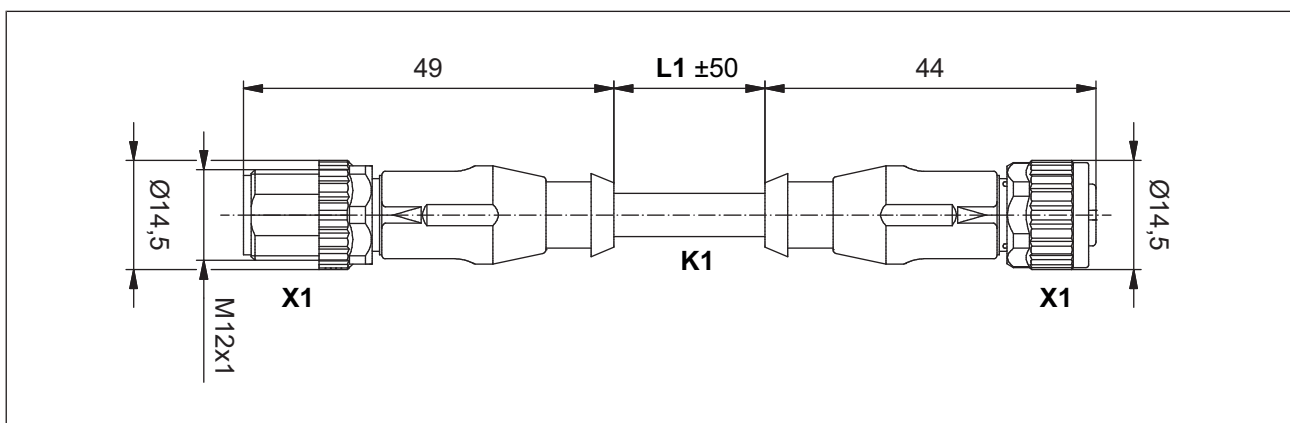


PSEN Cable M12-M12 12p

Connector pin assignment



Dimensions in mm



PSEN Cable M12-M12 12p

Technical details Order no. 570357 - 570359

Electrical data	570357	570358	570359
Supply voltage			
Current load capacity at UB	2 A	2 A	2 A
Rated voltage			
Voltage UB	30 V	30 V	30 V
Rated current	2 A	2 A	2 A
Typ. conductor resistance K1	max. 84 Ohm/km bei 20 °C	max. 84 Ohm/km bei 20 °C	max. 84 Ohm/km bei 20 °C
Insulation resistance	100 MOhm	100 MOhm	100 MOhm
Environmental data	570357	570358	570359
Ambient temperature			
Temperature range	-30 - 80 °C	-30 - 80 °C	-30 - 80 °C
Airgap creepage			
In accordance with the standard	IEC 60664-1	IEC 60664-1	IEC 60664-1
Pollution degree	2	2	2
Protection type			
X1 when inserted	IP67	IP67	IP67
X2 when inserted	IP67	IP67	IP67
Housing	IP67	IP67	IP67
Mechanical data	570357	570358	570359
Plug-in connector X1	M12, 12-pin female connector	M12, 12-pin female connector	M12, 12-pin female connector
In accordance with the standard	EN 61076-2-101	EN 61076-2-101	EN 61076-2-101
Form, plug-in connector X1	Straight	Straight	Straight
Plug-in connector X2	M12, 12-pin male connector	M12, 12-pin male connector	M12, 12-pin male connector
In accordance with the standard	EN 61076-2-101	EN 61076-2-101	EN 61076-2-101
Form, plug-in connector X2	Straight	Straight	Straight
Material of ring nut X1	GD-Zn, Ni	GD-Zn, Ni	GD-Zn, Ni
Material of ring nut X2	GD-Zn, Ni	GD-Zn, Ni	GD-Zn, Ni
Housing material X1	TPU, UL94 HB	TPU, UL94 HB	TPU, UL94 HB
Housing material X2	TPU, UL94	TPU, UL94	TPU, UL94
Material of contact surface X1	CuZn, Ni b/Au 0,2 gal.	CuZn, Ni b/Au 0,2 gal.	CuZn, Ni b/Au 0,2 gal.

PSEN Cable M12-M12 12p

Mechanical data	570357	570358	570359
Material of contact surface X2	CuZn, Ni b/Au 0,2 gal.	CuZn, Ni b/Au 0,2 gal.	CuZn, Ni b/Au 0,2 gal.
Material of gasket	FPM	FPM	FPM
Conductor material K1	Cu	Cu	Cu
Insulating cover for conductor K1	PP (9Y)	PP (9Y)	PP (9Y)
Mating cycles X1	100	100	100
Mating cycles X2	100	100	100
Cable type K1	Li9Y11Y	Li9Y11Y	Li9Y11Y
Cable length L1	1 m	2 m	3 m
Colour of housing	black	black	black
Cable insulation material K1	TPU/TPE-U	TPU/TPE-U	TPU/TPE-U
Drag chain suitable K1	No	No	No
Min. bending radius (fixed permanently) K1	6 x Ø	6 x Ø	6 x Ø
Min. bending radius (moving) K1	12 x Ø	12 x Ø	12 x Ø
Cable diameter K1	5,75 mm	5,75 mm	5,75 mm
Max. cable diameter K1	5,9 mm	5,9 mm	5,9 mm
Conductor cross section K1	0,25 mm ²	0,25 mm ²	0,25 mm ²
Conductor cross section AWG K1	24	24	24
Wire colour K1	Brown, blue, white, green, pink, yellow, black, grey, red, violet, grey-pink, red-blue	Brown, blue, white, green, pink, yellow, black, grey, red, violet, grey-pink, red-blue	Brown, blue, white, green, pink, yellow, black, grey, red, violet, grey-pink, red-blue
Shielding K1	No	No	No
No. of wires K1	12	12	12
Approval cable K1	UL AWM-Style 20233/11558	UL AWM-Style 20233/11558	UL AWM-Style 20233/11558
Approval of plug-in connector X1	UL 94	UL 94	UL 94
Approval of plug-in connector X2	TPU, UL 94 HB	TPU, UL 94 HB	TPU, UL 94 HB
Halogen-free	yes	yes	yes
Silicone-free	yes	yes	yes
Oil resistance	Resistant	Resistant	Resistant
Non-flammability	DIN EN 60332-1-2 (60 sec.), UL Cable Flame, FT1	DIN EN 60332-1-2 (60 sec.), UL Cable Flame, FT1	DIN EN 60332-1-2 (60 sec.), UL Cable Flame, FT1
Torque of the interlock screw	0,6 Nm	0,6 Nm	0,6 Nm

PSEN Cable M12-M12 12p

Mechanical data	570357	570358	570359
Weight	123 g	170 g	218 g

Technical details Order no. 570360 - 570362

Electrical data	570360	570361	570362
Supply voltage			
Current load capacity at UB	2 A	2 A	2 A
Rated voltage			
Voltage UB	30 V	30 V	30 V
Rated current	2 A	2 A	2 A
Typ. conductor resistance K1	max. 84 Ohm/km bei 20 °C	max. 84 Ohm/km bei 20 °C	max. 84 Ohm/km bei 20 °C
Insulation resistance	100 MOhm	100 MOhm	100 MOhm
Environmental data	570360	570361	570362
Ambient temperature			
Temperature range	-30 - 80 °C	-30 - 80 °C	-30 - 80 °C
Airgap creepage			
In accordance with the standard	IEC 60664-1	IEC 60664-1	IEC 60664-1
Pollution degree	2	2	2
Protection type			
X1 when inserted	IP67	IP67	IP67
X2 when inserted	IP67	IP67	IP67
Housing	IP67	IP67	IP67
Mechanical data	570360	570361	570362
Plug-in connector X1	M12, 12-pin female connector	M12, 12-pin female connector	M12, 12-pin female connector
In accordance with the standard	EN 61076-2-101	EN 61076-2-101	EN 61076-2-101
Form, plug-in connector X1	Straight	Straight	Straight
Plug-in connector X2	M12, 12-pin male connector	M12, 12-pin male connector	M12, 12-pin male connector
In accordance with the standard	EN 61076-2-101	EN 61076-2-101	EN 61076-2-101
Form, plug-in connector X2	Straight	Straight	Straight
Material of ring nut X1	GD-Zn, Ni	GD-Zn, Ni	GD-Zn, Ni
Material of ring nut X2	GD-Zn, Ni	GD-Zn, Ni	GD-Zn, Ni
Housing material X1	TPU, UL94 HB	TPU, UL94 HB	TPU, UL94 HB
Housing material X2	TPU, UL94	TPU, UL94	TPU, UL94

PSEN Cable M12-M12 12p

Mechanical data	570360	570361	570362
Material of contact surface X1	CuZn, Ni b/Au 0,2 gal.	CuZn, Ni b/Au 0,2 gal.	CuZn, Ni b/Au 0,2 gal.
Material of contact surface X2	CuZn, Ni b/Au 0,2 gal.	CuZn, Ni b/Au 0,2 gal.	CuZn, Ni b/Au 0,2 gal.
Material of gasket	FPM	FPM	FPM
Conductor material K1	Cu	Cu	Cu
Insulating cover for conductor K1	PP (9Y)	PP (9Y)	PP (9Y)
Mating cycles X1	100	100	100
Mating cycles X2	100	100	100
Cable type K1	Li9Y11Y	Li9Y11Y	Li9Y11Y
Cable length L1	5 m	10 m	20 m
Colour of housing	black	black	black
Cable insulation material K1	TPU/TPE-U	TPU/TPE-U	TPU/TPE-U
Drag chain suitable K1	No	No	No
Min. bending radius (fixed permanently) K1	6 x Ø	6 x Ø	6 x Ø
Min. bending radius (moving) K1	12 x Ø	12 x Ø	12 x Ø
Cable diameter K1	5,75 mm	5,75 mm	5,75 mm
Max. cable diameter K1	5,9 mm	5,9 mm	5,9 mm
Conductor cross section K1	0,25 mm ²	0,25 mm ²	0,25 mm ²
Conductor cross section AWG K1	24	24	24
Wire colour K1	Brown, blue, white, green, pink, yellow, black, grey, red, violet, grey-pink, red-blue	Brown, blue, white, green, pink, yellow, black, grey, red, violet, grey-pink, red-blue	Brown, blue, white, green, pink, yellow, black, grey, red, violet, grey-pink, red-blue
Shielding K1	No	No	No
No. of wires K1	12	12	12
Approval cable K1	UL AWM-Style 20233/11558	UL AWM-Style 20233/11558	UL AWM-Style 20233/11558
Approval of plug-in connector X1	UL 94	UL 94	UL 94
Approval of plug-in connector X2	TPU, UL 94 HB	TPU, UL 94 HB	TPU, UL 94 HB
Halogen-free	yes	yes	yes
Silicone-free	yes	yes	yes
Oil resistance	Resistant	Resistant	Resistant
Non-flammability	DIN EN 60332-1-2 (60 sec.), UL Cable Flame, FT1	DIN EN 60332-1-2 (60 sec.), UL Cable Flame, FT1	DIN EN 60332-1-2 (60 sec.), UL Cable Flame, FT1

PSEN Cable M12-M12 12p

Mechanical data	570360	570361	570362
Torque of the interlock screw	0,6 Nm	0,6 Nm	0,6 Nm
Weight	313 g	550 g	1.025 g

Order reference

Product type	Features	Connector X1	Connector X2	Connector X3	Order no.
PSEN cable M12-12sf/ M12-12sm 1m	1 m	M12, 12-pin female connector, straight	M12, 12-pin male connector, straight		570 357
PSEN cable M12-12sf/ M12-12sm 2m	2 m	M12, 12-pin female connector, straight	M12, 12-pin male connector, straight		570 358
PSEN cable M12-12sf/ M12-12sm 3m	3 m	M12, 12-pin female connector, straight	M12, 12-pin male connector, straight		570 359
PSEN cable M12-12sf/ M12-12sm 5m	5 m	M12, 12-pin female connector, straight	M12, 12-pin male connector, straight		570 360
PSEN cable M12-12sf/ M12-12sm 10m	10 m	M12, 12-pin female connector, straight	M12, 12-pin male connector, straight		570 361
PSEN cable M12-12sf/ M12-12sm 20m	20 m	M12, 12-pin female connector, straight	M12, 12-pin male connector, straight		570 362