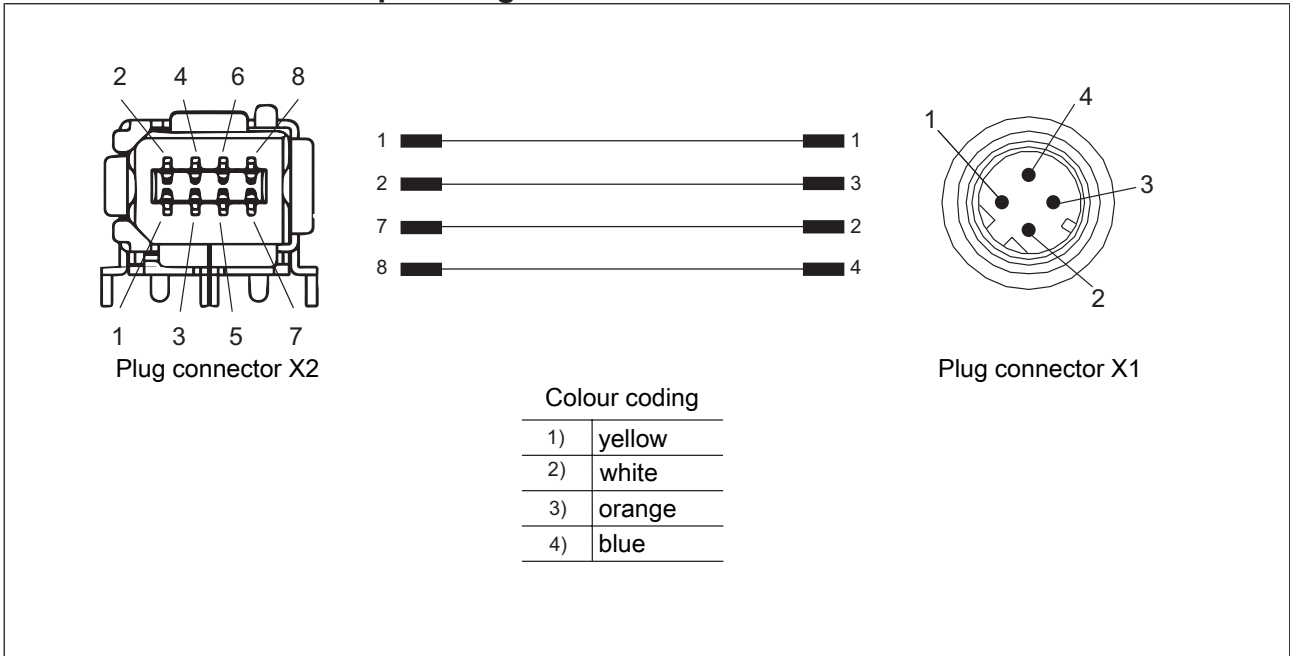
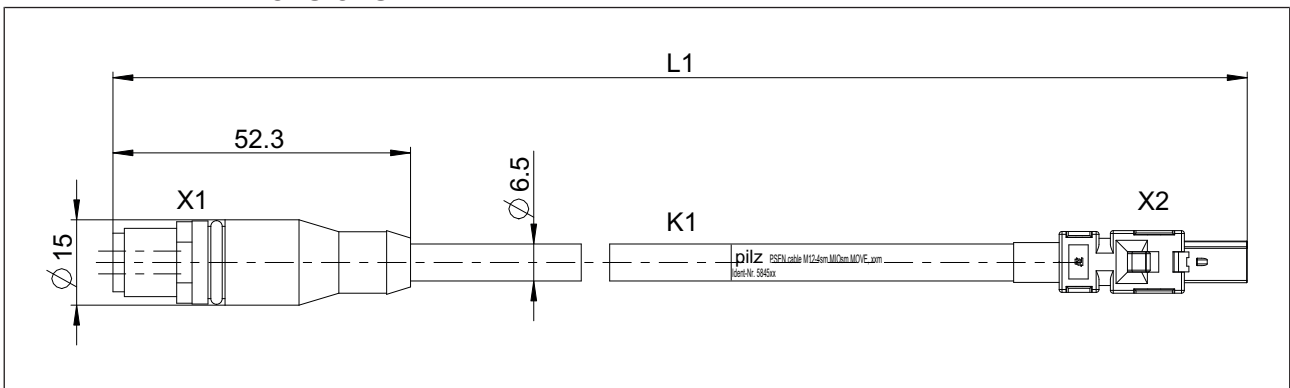


## PSEN Cable M12 4p Mini IO

### Connector pin assignment



### Dimensions



## PSEN Cable M12 4p Mini IO

### Technical details

General	584569	584570	584571	584572
Approvals	-	-	-	-
Electrical data	584569	584570	584571	584572
Operating voltage	30 V	30 V	30 V	30 V
Rated voltage				
Voltage UB	60 V	60 V	60 V	60 V
Rated current	0,5 A	0,5 A	0,5 A	0,5 A
Test voltage	700 V	700 V	700 V	700 V
Typ. conductor resistance K1	120 Ohm/km	120 Ohm/km	120 Ohm/km	120 Ohm/km
Insulation resistance	500 MOhm	500 MOhm	500 MOhm	500 MOhm
Characteristic impedance K1	100 Ohm	100 Ohm	100 Ohm	100 Ohm
Specific cable capacitance K1	52pF/m	52pF/m	52pF/m	52pF/m
Environmental data	584569	584570	584571	584572
Ambient temperature				
Temperature range	-20 - 60 °C	-20 - 60 °C	-20 - 60 °C	-20 - 60 °C
Storage temperature				
Temperature range	-30 - 70 °C	-30 - 70 °C	-30 - 70 °C	-30 - 70 °C
Protection type				
X1 when inserted	IP67	IP67	IP67	IP67
X2 when inserted	IP20	IP20	IP20	IP20
Mechanical data	584569	584570	584571	584572
Plug-in connector X1	M12, 4-pin male connector	M12, 4-pin male connector	M12, 4-pin male connector	M12, 4-pin male connector
In accordance with the standard	EN 61076-2-101	EN 61076-2-101	EN 61076-2-101	EN 61076-2-101
Form, plug-in connector X1	Straight	Straight	Straight	Straight
Coding of plug-in connector X1	D-coded	D-coded	D-coded	D-coded

## PSEN Cable M12 4p Mini IO

Mechanical data	584569	584570	584571	584572
Plug-in connector X2	<b>8-pin Mini-IO male connector</b>	<b>8-pin Mini-IO male connector</b>	<b>8-pin Mini-IO male connector</b>	<b>8-pin Mini-IO male connector</b>
Form, plug-in connector X2	<b>Straight</b>	<b>Straight</b>	<b>Straight</b>	<b>Straight</b>
Material of ring nut X1	<b>CuZn nickel-plated</b>	<b>CuZn nickel-plated</b>	<b>CuZn nickel-plated</b>	<b>CuZn nickel-plated</b>
Housing material X1	<b>TPU</b>	<b>TPU</b>	<b>TPU</b>	<b>TPU</b>
Housing material X2	<b>Plastic, UL94 V-0</b>	<b>Plastic, UL94 V-0</b>	<b>Plastic, UL94 V-0</b>	<b>Plastic, UL94 V-0</b>
Material of contact surface X1	<b>CuZn gold-plated</b>	<b>CuZn gold-plated</b>	<b>CuZn gold-plated</b>	<b>CuZn gold-plated</b>
Material of contact surface X2	<b>Au</b>	<b>Au</b>	<b>Au</b>	<b>Au</b>
Conductor material K1	<b>Cu</b>	<b>Cu</b>	<b>Cu</b>	<b>Cu</b>
Insulating cover for conductor K1	<b>PE</b>	<b>PE</b>	<b>PE</b>	<b>PE</b>
Mating cycles X1	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
Mating cycles X2	<b>1500</b>	<b>1500</b>	<b>1500</b>	<b>1500</b>
Cable length L1	<b>8 m</b>	<b>10 m</b>	<b>15 m</b>	<b>20 m</b>
Material of shield surface cable K1	<b>Sn</b>	<b>Sn</b>	<b>Sn</b>	<b>Sn</b>
Category cable K1	<b>Cat5</b>	<b>Cat5</b>	<b>Cat5</b>	<b>Cat5</b>
Colour of external cable insulation K1	<b>Green, similar to RAL6018</b>	<b>Green, similar to RAL6018</b>	<b>Green, similar to RAL6018</b>	<b>Green, similar to RAL6018</b>
Min. bending radius (moving) K1	<b>8 x Ø</b>	<b>8 x Ø</b>	<b>8 x Ø</b>	<b>8 x Ø</b>
Cable insulation material K1	<b>PUR</b>	<b>PUR</b>	<b>PUR</b>	<b>PUR</b>
Drag chain suitable K1	<b>yes</b>	<b>yes</b>	<b>yes</b>	<b>yes</b>
Cable diameter K1	<b>6,5 mm</b>	<b>6,5 mm</b>	<b>6,5 mm</b>	<b>6,5 mm</b>
Conductor cross section K1	<b>0,34 mm<sup>2</sup></b>	<b>0,34 mm<sup>2</sup></b>	<b>0,34 mm<sup>2</sup></b>	<b>0,34 mm<sup>2</sup></b>
Conductor cross section AWG K1	<b>22</b>	<b>22</b>	<b>22</b>	<b>22</b>
Wire colour K1	<b>White, yellow, blue, orange</b>	<b>White, yellow, blue, orange</b>	<b>White, yellow, blue, orange</b>	<b>White, yellow, blue, orange</b>
Stranding K1	<b>Twisted quad</b>	<b>Twisted quad</b>	<b>Twisted quad</b>	<b>Twisted quad</b>

## PSEN Cable M12 4p Mini IO

Mechanical data	584569	584570	584571	584572
Shielding K1	yes	yes	yes	yes
Shield type K1	Wire mesh	Wire mesh	Wire mesh	Wire mesh
Wire layer separation K1	No	No	No	No
No. of wires K1	4	4	4	4
Halogen-free	yes	yes	yes	yes
Silicone-free	yes	yes	yes	yes
Oil resistance	Resistant	Resistant	Resistant	Resistant
Non-flammability	UL 758, FT1, UL-Style 20549	UL 758, FT1, UL-Style 20549	UL 758, FT1, UL-Style 20549	UL 758, FT1, UL-Style 20549
Weight	500 g	650 g	950 g	1.250 g

### Order reference

Product type	Features	Connector X1	Connector X2	Order no.
PSEN cable M12-4sm MIOsm MOVE, 8m	8 m	M12 male connector, straight	Mini-IO connector, straight	584 569
PSEN cable M12-4sm MIOsm MOVE, 10m	10 m	M12 male connector, straight	Mini-IO connector, straight	584 570
PSEN cable M12-4sm MIOsm MOVE, 15m	15 m	M12 male connector, straight	Mini-IO connector, straight	584 571
PSEN cable M12-4sm MIOsm MOVE, 20m	20 m	M12 male connector, straight	Mini-IO connector, straight	584 572