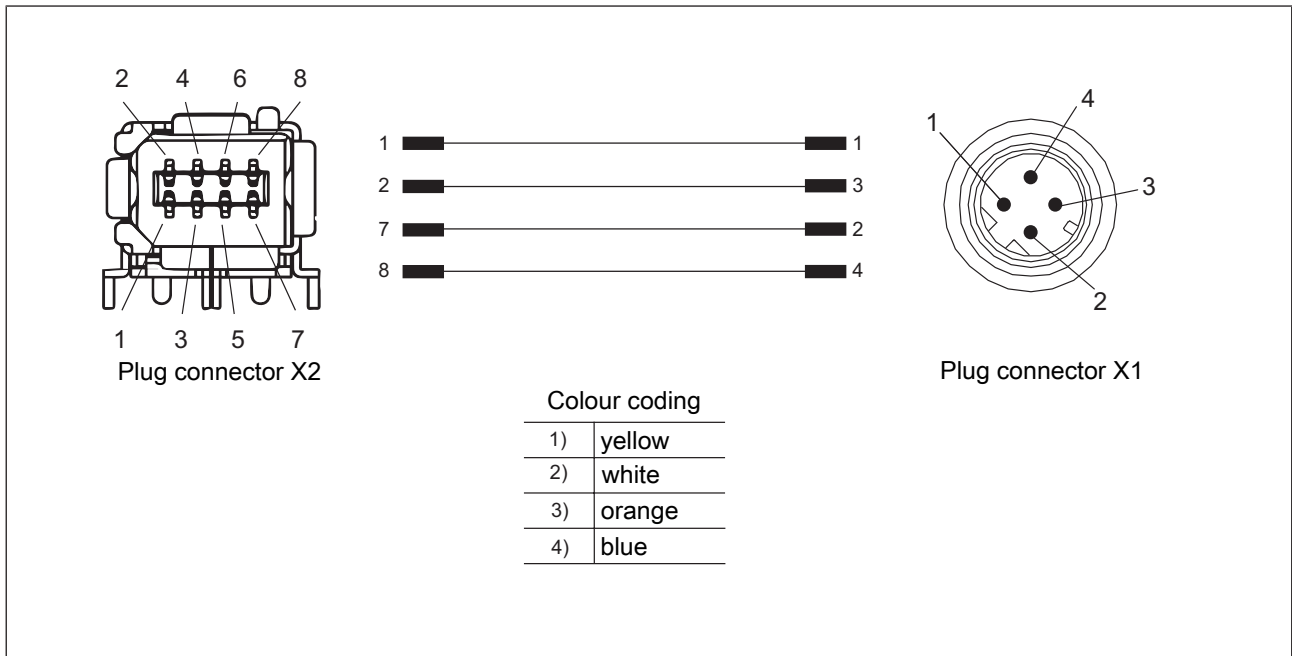


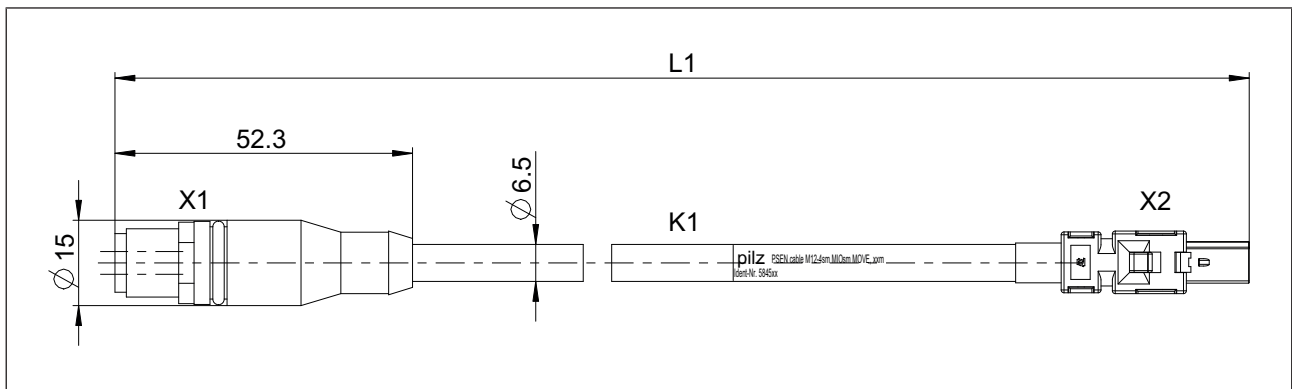
# Accessories

## PSEN Cable M12 4p Mini IO

### Connector pin assignment



### Dimensions



# Accessories

## PSEN Cable M12 4p Mini IO

Technical details Order no. 584568, 584569, 584570

General	584568	584569	584570
Certifications	CE, UKCA	CE, UKCA	CE, UKCA
Electrical data	584568	584569	584570
Operating voltage	30 V	30 V	30 V
Rated voltage			
Voltage UB	60 V	60 V	60 V
Rated current	0,5 A	0,5 A	0,5 A
Test voltage	700 V	700 V	700 V
Typ. conductor resistance K1	120 Ohm/km	120 Ohm/km	120 Ohm/km
Insulation resistance	500 MOhm	500 MOhm	500 MOhm
Characteristic impedance K1	100 Ohm	100 Ohm	100 Ohm
Specific cable capacitance K1	52pF/m	52pF/m	52pF/m
Environmental data	584568	584569	584570
Ambient temperature			
Temperature range	-20 - 60 °C	-20 - 60 °C	-20 - 60 °C
Storage temperature			
Temperature range	-30 - 70 °C	-30 - 70 °C	-30 - 70 °C
Protection type			
X1 when inserted	IP67	IP67	IP67
X2 when inserted	IP20	IP20	IP20
Mechanical data	584568	584569	584570
Plug-in connector X1	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
Form, plug-in connector X1	Straight	Straight	Straight
Coding of plug-in connector X1	D-coded	D-coded	D-coded
Plug-in connector X2	8-pin Mini-IO male connector	8-pin Mini-IO male connector	8-pin Mini-IO male connector
Form, plug-in connector X2	Straight	Straight	Straight
Material of ring nut X1	CuZn nickel-plated	CuZn nickel-plated	CuZn nickel-plated
Housing material X1	TPU	TPU	TPU
Housing material X2	Plastic, UL94 V-0	Plastic, UL94 V-0	Plastic, UL94 V-0
Material of contact surface X1	CuZn gold-plated	CuZn gold-plated	CuZn gold-plated

# Accessories

## PSEN Cable M12 4p Mini IO

Mechanical data	584568	584569	584570
Material of contact surface X2	<b>Au</b>	<b>Au</b>	<b>Au</b>
Conductor material K1	<b>Cu</b>	<b>Cu</b>	<b>Cu</b>
Insulating cover for conductor K1	<b>PE</b>	<b>PE</b>	<b>PE</b>
Mating cycles X1	<b>100</b>	<b>100</b>	<b>100</b>
Mating cycles X2	<b>1500</b>	<b>1500</b>	<b>1500</b>
Cable length L1	<b>5 m</b>	<b>8 m</b>	<b>10 m</b>
Material of shield surface cable K1	<b>Sn</b>	<b>Sn</b>	<b>Sn</b>
Category cable K1	<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>
Cable insulation material K1	<b>PUR</b>	<b>PUR</b>	<b>PUR</b>
Drag chain suitable K1	<b>yes</b>	<b>yes</b>	<b>yes</b>
Min. bending radius (moving) K1	<b>8 x Ø</b>	<b>8 x Ø</b>	<b>8 x Ø</b>
Cable diameter K1	<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>
Conductor cross section AWG K1	<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>
Stranding K1	<b>Twisted quad</b>	<b>Twisted quad</b>	<b>Twisted quad</b>
Shielding K1	<b>yes</b>	<b>yes</b>	<b>yes</b>
Shield type K1	<b>Wire mesh</b>	<b>Wire mesh</b>	<b>Wire mesh</b>
Wire layer separation K1	<b>No</b>	<b>No</b>	<b>No</b>
No. of wires K1	<b>4</b>	<b>4</b>	<b>4</b>
Halogen-free	<b>yes</b>	<b>yes</b>	<b>yes</b>
Silicone-free	<b>yes</b>	<b>yes</b>	<b>yes</b>
Oil resistance	<b>Resistant</b>	<b>Resistant</b>	<b>Resistant</b>
Non-flammability	<b>UL 758, FT1, UL-Style 20549</b>	<b>UL 758, FT1, UL-Style 20549</b>	<b>UL 758, FT1, UL-Style 20549</b>
Weight	<b>335 g</b>	<b>500 g</b>	<b>650 g</b>

# Accessories

## PSEN Cable M12 4p Mini IO

Technical details Order no. 584571, 584572

General	584571	584572
Certifications	CE, UKCA	CE, UKCA
Electrical data	584571	584572
Operating voltage	30 V	30 V
Rated voltage		
Voltage UB	60 V	60 V
Rated current	0,5 A	0,5 A
Test voltage	700 V	700 V
Typ. conductor resistance K1	120 Ohm/km	120 Ohm/km
Insulation resistance	500 MOhm	500 MOhm
Characteristic impedance K1	100 Ohm	100 Ohm
Specific cable capacitance K1	52pF/m	52pF/m
Environmental data	584571	584572
Ambient temperature		
Temperature range	-20 - 60 °C	-20 - 60 °C
Storage temperature		
Temperature range	-30 - 70 °C	-30 - 70 °C
Protection type		
X1 when inserted	IP67	IP67
X2 when inserted	IP20	IP20
Mechanical data	584571	584572
Plug-in connector X1	M12, 4-pin male connector	M12, 4-pin male connector
In accordance with the standard	EN 61076-2-101	EN 61076-2-101
Form, plug-in connector X1	Straight	Straight
Coding of plug-in connector X1	D-coded	D-coded
Plug-in connector X2	8-pin Mini-IO male connector	8-pin Mini-IO male connector
Form, plug-in connector X2	Straight	Straight
Material of ring nut X1	CuZn nickel-plated	CuZn nickel-plated
Housing material X1	TPU	TPU
Housing material X2	Plastic, UL94 V-0	Plastic, UL94 V-0
Material of contact surface X1	CuZn gold-plated	CuZn gold-plated
Material of contact surface X2	Au	Au
Conductor material K1	Cu	Cu
Insulating cover for conductor K1	PE	PE
Mating cycles X1	100	100
Mating cycles X2	1500	1500
Cable length L1	15 m	20 m
Material of shield surface cable K1	Sn	Sn
Category cable K1	Cat5	Cat5

# Accessories

## PSEN Cable M12 4p Mini IO

Mechanical data	584571	584572
Colour of external cable insulation K1	<b>Green, similar to RAL6018</b>	<b>Green, similar to RAL6018</b>
Cable insulation material K1	<b>PUR</b>	<b>PUR</b>
Drag chain suitable K1	<b>yes</b>	<b>yes</b>
Min. bending radius (moving) K1	<b>8 x Ø</b>	<b>8 x Ø</b>
Cable diameter K1	<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>
Conductor cross section AWG K1	<b>22</b>	<b>22</b>
Wire colour K1	<b>White, yellow, blue, orange</b>	<b>White, yellow, blue, orange</b>
Stranding K1	<b>Twisted quad</b>	<b>Twisted quad</b>
Shielding K1	<b>yes</b>	<b>yes</b>
Shield type K1	<b>Wire mesh</b>	<b>Wire mesh</b>
Wire layer separation K1	<b>No</b>	<b>No</b>
No. of wires K1	<b>4</b>	<b>4</b>
Halogen-free	<b>yes</b>	<b>yes</b>
Silicone-free	<b>yes</b>	<b>yes</b>
Oil resistance	<b>Resistant</b>	<b>Resistant</b>
Non-flammability	<b>UL 758, FT1, UL-Style 20549</b>	<b>UL 758, FT1, UL-Style 20549</b>
Weight	<b>950 g</b>	<b>1.250 g</b>

### Order reference

Product type	Features	Connector X1	Connector X2	Connector X3	Order no.
PSEN cable M12-4sm MIOsm MOVE, 5m	5 m	M12, 4-pin male connector	8-pin Mini-IO male connector		584568
PSEN cable M12-4sm MIOsm MOVE, 8m	8 m	M12, 4-pin male connector	8-pin Mini-IO male connector		584569
PSEN cable M12-4sm MIOsm MOVE, 10m	10 m	M12, 4-pin male connector	8-pin Mini-IO male connector		584570
PSEN cable M12-4sm MIOsm MOVE, 15m	15 m	M12, 4-pin male connector	8-pin Mini-IO male connector		584571
PSEN cable M12-4sm MIOsm MOVE, 20m	20 m	M12, 4-pin male connector	8-pin Mini-IO male connector		584572