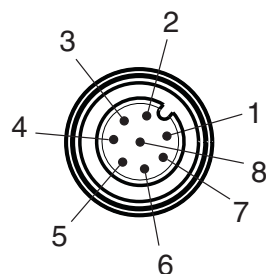


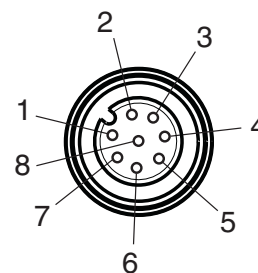
# Accessories

## PSEN Cable M8-M8 8p

### Connector pin assignment



Plan view plug-in connector X1

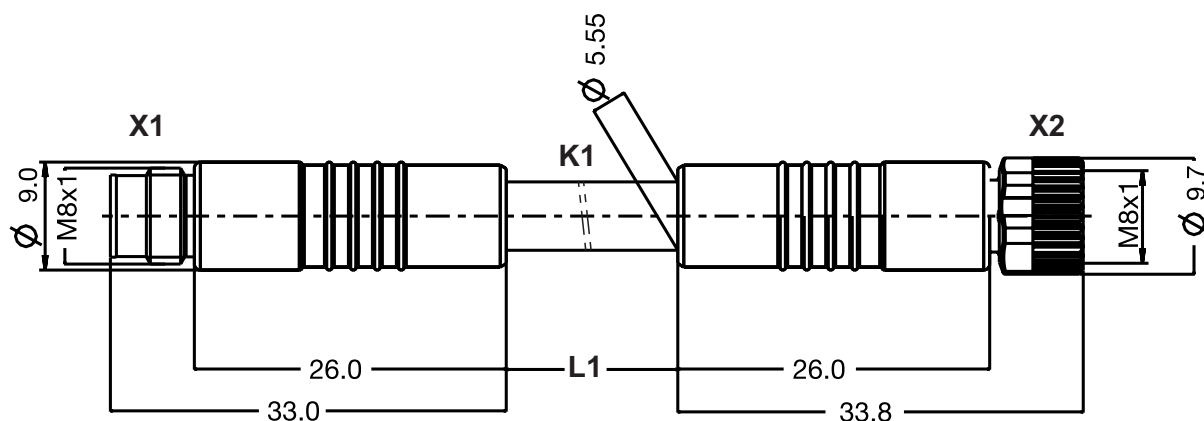


Plan view plug-in connector X2

#### Colour coding

1	white
2	brown
3	green
4	yellow
5	grey
6	pink
7	blue
8	red

### Dimensions in mm



# Accessories

## PSEN Cable M8-M8 8p

Technical details Order no. 533155 - 533157

General	533155	533156	533157
Certifications	cULus Recognized	cULus Recognized	cULus Recognized
Electrical data	533155	533156	533157
Rated voltage			
Voltage UB	30 V	30 V	30 V
Rated current	1,5 A	1,5 A	1,5 A
Test voltage	3.000 V	3.000 V	3.000 V
Typ. conductor resistance K1	138 Ohm/km	138 Ohm/km	138 Ohm/km
Insulation resistance	100 MOhm	100 MOhm	100 MOhm
Volume resistance	3 mOhm	3 mOhm	3 mOhm
Specific volume resistance K1	$\geq 7E+15 \text{ Ohm*cm}$	$\geq 7E+15 \text{ Ohm*cm}$	$\geq 7E+15 \text{ Ohm*cm}$
Specific cable capacitance K1	57,5pF/m	57,5pF/m	57,5pF/m
Environmental data	533155	533156	533157
Temperature when using in the drag chain	-25 - 60 °C	-25 - 60 °C	-25 - 60 °C
Ambient temperature			
Temperature range	-25 - 80 °C	-25 - 80 °C	-25 - 80 °C
Airgap creepage			
Pollution degree	3	3	3
Protection type			
X1 when inserted	IP67	IP67	IP67
X2 when inserted	IP67	IP67	IP67
Housing	IP67	IP67	IP67
Mechanical data	533155	533156	533157
Plug-in connector X1	M8, 8-pin male connector	M8, 8-pin male connector	M8, 8-pin male connector
In accordance with the standard	EN 61076-2-104	EN 61076-2-104	EN 61076-2-104
Form, plug-in connector X1	Straight	Straight	Straight
Plug-in connector X2	M8, 8-pin female connector	M8, 8-pin female connector	M8, 8-pin female connector
In accordance with the standard	EN 61076-2-104	EN 61076-2-104	EN 61076-2-104
Form, plug-in connector X2	Straight	Straight	Straight
Housing material X1	PUR	PUR	PUR
Housing material X2	PUR	PUR	PUR

# Accessories

## PSEN Cable M8-M8 8p

Mechanical data	533155	533156	533157
Material of contact surface X1	Au	Au	Au
Material of contact surface X2	Au	Au	Au
Material of pin	CuZn	CuZn	CuZn
Material of socket	CuSn	CuSn	CuSn
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	LiF9Y11Y	LiF9Y11Y	LiF9Y11Y
Cable length L1	0,5 m	1 m	2 m
Colour of external cable insulation K1	Yellow, similar to RAL1003	Yellow, similar to RAL1003	Yellow, similar to RAL1003
Colour of housing	black	black	black
Cable insulation material K1	PUR, TPU / TPE-U	PUR, TPU / TPE-U	PUR, TPU / TPE-U
Drag chain suitable K1	yes	yes	yes
Min. bending radius (fixed permanently) K1	5 x Ø	5 x Ø	5 x Ø
Min. bending radius (moving) K1	10 x Ø	10 x Ø	10 x Ø
Cable diameter K1	5,55 mm	5,55 mm	5,55 mm
Max. cable diameter K1	5,7 mm	5,7 mm	5,7 mm
Conductor cross section K1	0,14 mm <sup>2</sup>	0,14 mm <sup>2</sup>	0,14 mm <sup>2</sup>
Conductor cross section AWG K1	26	26	26
Wire colour K1	White, brown, green, yellow, grey, pink, blue, red	White, brown, green, yellow, grey, pink, blue, red	White, brown, green, yellow, grey, pink, blue, red
Stranding K1	8 cores around plastic filler	8 cores around plastic filler	8 cores around plastic filler
Shielding K1	No	No	No
Wire layer separation K1	No	No	No
No. of wires K1	8	8	8
Certification cable K1	UL AWM-Style 20233, UL/CSA	UL AWM-Style 20233, UL/CSA	UL AWM-Style 20233, UL/CSA
Halogen-free	yes	yes	yes
Silicone-free	yes	yes	yes
Oil resistance	Resistant	Resistant	Resistant
Non-flammability	UL VW1	UL VW1	UL VW1

# Accessories

## PSEN Cable M8-M8 8p

Mechanical data	533155	533156	533157
Material			
Housing	PUR	PUR	PUR
Weight	30 g	45 g	80 g

### Technical details Order no. 533158 - 533159

General	533158	533159
Certifications	cULus Recognized	cULus Recognized
Electrical data	533158	533159
Rated voltage		
Voltage UB	30 V	30 V
Rated current	1,5 A	1,5 A
Test voltage	3.000 V	3.000 V
Typ. conductor resistance K1	138 Ohm/km	138 Ohm/km
Insulation resistance	100 MOhm	100 MOhm
Volume resistance	3 mOhm	3 mOhm
Specific volume resistance K1	$\geq 7E+15 \text{ Ohm*cm}$	$\geq 7E+15 \text{ Ohm*cm}$
Specific cable capacitance K1	57,5pF/m	57,5pF/m
Environmental data	533158	533159
Temperature when using in the drag chain	-25 - 60 °C	-25 - 60 °C
Ambient temperature		
Temperature range	-25 - 80 °C	-25 - 80 °C
Airgap creepage		
Pollution degree	3	3
Protection type		
X1 when inserted	IP67	IP67
X2 when inserted	IP67	IP67
Housing	IP67	IP67
Mechanical data	533158	533159
Plug-in connector X1	M8, 8-pin male connector	M8, 8-pin male connector
In accordance with the standard	EN 61076-2-104	EN 61076-2-104
Form, plug-in connector X1	Straight	Straight
Plug-in connector X2	M8, 8-pin female connector	M8, 8-pin female connector
In accordance with the standard	EN 61076-2-104	EN 61076-2-104
Form, plug-in connector X2	Straight	Straight
Housing material X1	PUR	PUR
Housing material X2	PUR	PUR
Material of contact surface X1	Au	Au
Material of contact surface X2	Au	Au

# Accessories

## PSEN Cable M8-M8 8p

Mechanical data	533158	533159
Material of pin	<b>CuZn</b>	<b>CuZn</b>
Material of socket	<b>CuSn</b>	<b>CuSn</b>
Conductor material K1	<b>Cu</b>	<b>Cu</b>
Insulating cover for conductor K1	<b>PP (9Y)</b>	<b>PP (9Y)</b>
Mating cycles X1	<b>100</b>	<b>100</b>
Mating cycles X2	<b>100</b>	<b>100</b>
Cable type K1	<b>LIF9Y11Y</b>	<b>LIF9Y11Y</b>
Cable length L1	<b>5 m</b>	<b>10 m</b>
Colour of external cable insulation K1	<b>Yellow, similar to RAL1003</b>	<b>Yellow, similar to RAL1003</b>
Colour of housing	<b>black</b>	<b>black</b>
Cable insulation material K1	<b>PUR, TPU / TPE-U</b>	<b>PUR, TPU / TPE-U</b>
Drag chain suitable K1	<b>yes</b>	<b>yes</b>
Min. bending radius (fixed permanently) K1	<b>5 x Ø</b>	<b>5 x Ø</b>
Min. bending radius (moving) K1	<b>10 x Ø</b>	<b>10 x Ø</b>
Cable diameter K1	<b>5,55 mm</b>	<b>5,55 mm</b>
Max. cable diameter K1	<b>5,7 mm</b>	<b>5,7 mm</b>
Conductor cross section K1	<b>0,14 mm<sup>2</sup></b>	<b>0,14 mm<sup>2</sup></b>
Conductor cross section AWG K1	<b>26</b>	<b>26</b>
Wire colour K1	<b>White, brown, green, yellow, grey, pink, blue, red</b>	<b>White, brown, green, yellow, grey, pink, blue, red</b>
Stranding K1	<b>8 cores around plastic filler</b>	<b>8 cores around plastic filler</b>
Shielding K1	<b>No</b>	<b>No</b>
Wire layer separation K1	<b>No</b>	<b>No</b>
No. of wires K1	<b>8</b>	<b>8</b>
Certification cable K1	<b>UL AWM-Style 20233, UL/CSA</b>	<b>UL AWM-Style 20233, UL/CSA</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 VW1</b>	<b>UL VW1</b>
Material		
Housing	<b>PUR</b>	<b>PUR</b>
Weight	<b>189 g</b>	<b>374 g</b>

# Accessories

## PSEN Cable M8-M8 8p

### Technical details Order no. 533160 - 533161

General	533160	533161
Certifications	cULus Recognized	cULus Recognized
Electrical data	533160	533161
Rated voltage		
Voltage UB	30 V	30 V
Rated current	1,5 A	1,5 A
Test voltage	3.000 V	3.000 V
Typ. conductor resistance K1	138 Ohm/km	138 Ohm/km
Insulation resistance	100 MOhm	100 MOhm
Volume resistance	3 mOhm	3 mOhm
Specific volume resistance K1	$\geq 7E+15$ Ohm*cm	$\geq 7E+15$ Ohm*cm
Specific cable capacitance K1	57,5pF/m	57,5pF/m
Environmental data	533160	533161
Temperature when using in the drag chain	-25 - 60 °C	-25 - 60 °C
Ambient temperature		
Temperature range	-25 - 80 °C	-25 - 80 °C
Airgap creepage		
Pollution degree	3	3
Protection type		
X1 when inserted	IP67	IP67
X2 when inserted	IP67	IP67
Housing	IP67	IP67
Mechanical data	533160	533161
Plug-in connector X1	M8, 8-pin male connector	M8, 8-pin male connector
In accordance with the standard	EN 61076-2-104	EN 61076-2-104
Form, plug-in connector X1	Straight	Straight
Plug-in connector X2	M8, 8-pin female connector	M8, 8-pin female connector
In accordance with the standard	EN 61076-2-104	EN 61076-2-104
Form, plug-in connector X2	Straight	Straight
Housing material X1	PUR	PUR
Housing material X2	PUR	PUR
Material of contact surface X1	Au	Au
Material of contact surface X2	Au	Au
Material of pin	CuZn	CuZn
Material of socket	CuSn	CuSn
Conductor material K1	Cu	Cu
Insulating cover for conductor K1	PP (9Y)	PP (9Y)
Mating cycles X1	100	100

# Accessories

## PSEN Cable M8-M8 8p

Mechanical data	533160	533161
Mating cycles X2	100	100
Cable type K1	LiF9Y11Y	LiF9Y11Y
Cable length L1	20 m	30 m
Colour of external cable insulation K1	Yellow, similar to RAL1003	Yellow, similar to RAL1003
Colour of housing	black	black
Cable insulation material K1	PUR, TPU / TPE-U	PUR, TPU / TPE-U
Drag chain suitable K1	yes	yes
Min. bending radius (fixed permanently) K1	5 x Ø	5 x Ø
Min. bending radius (moving) K1	10 x Ø	10 x Ø
Cable diameter K1	5,55 mm	5,55 mm
Max. cable diameter K1	5,7 mm	5,7 mm
Conductor cross section K1	0,14 mm <sup>2</sup>	0,14 mm <sup>2</sup>
Conductor cross section AWG K1	26	26
Wire colour K1	White, brown, green, yellow, grey, pink, blue, red	White, brown, green, yellow, grey, pink, blue, red
Stranding K1	8 cores around plastic filler	8 cores around plastic filler
Shielding K1	No	No
Wire layer separation K1	No	No
No. of wires K1	8	8
Certification cable K1	UL AWM-Style 20233, UL/CSA	UL AWM-Style 20233, UL/CSA
Halogen-free	yes	yes
Silicone-free	yes	yes
Oil resistance	Resistant	Resistant
Non-flammability	UL VW1	UL VW1
Material		
Housing	PUR	PUR
Weight	740 g	1.069 g

### Order reference

Product type	Features	Connector X1	Connector X2	Connector X3	Order no.
PSEN cable M8-8sf M8-sm, 0.5m	0.5 m	M 8, 8-pin male connector, straight	M 8, 8-pin fe- male con- nector, straight		533 155
PSEN cable M8-8sf M8-8sm, 1m	1 m	M 8, 8-pin male connector, straight	M 8, 8-pin fe- male con- nector, straight		533 156
PSEN cable M8-8sf M8-8sm, 2m	2 m	M 8, 8-pin male connector, straight	M 8, 8-pin fe- male con- nector, straight		533 157

# Accessories

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## PSEN Cable M8-M8 8p

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Product type	Features	Connector X1	Connector X2	Connector X3	Order no.
PSEN cable M8-8sf M8-8sm, 5m	5 m	M 8, 8-pin male connector, straight	M 8, 8-pin fe- male con- nector, straight		533 158
PSEN cable M8-8sf M8-8sm, 10m	10 m	M 8, 8-pin male connector, straight	M 8, 8-pin fe- male con- nector, straight		533 159
PSEN cable M8-8sf M8-8sm, 20m	20 m	M 8, 8-pin male connector, straight	M 8, 8-pin fe- male con- nector, straight		533 160
PSEN cable M8-8sf M8-8sm, 30m	30 m	M 8, 8-pin male connector, straight	M 8, 8-pin fe- male con- nector, straight		533 161