



## PNOZ msi9p, msi10p, msi11p

**PILZ**  
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► Accessories PNOZmulti

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SD means Secure Digital

## Description

The connection cables PNOZ msi9p, PNOZ msi10p and PNOZ msi11p are used to connect an incremental encoder or adapter to the speed monitors PNOZ ms1p, PNOZ ms2p, PNOZ ms3p, PNOZ ms4p or PNOZ s30.

The connection to the speed monitor is made via the RJ45 connector.

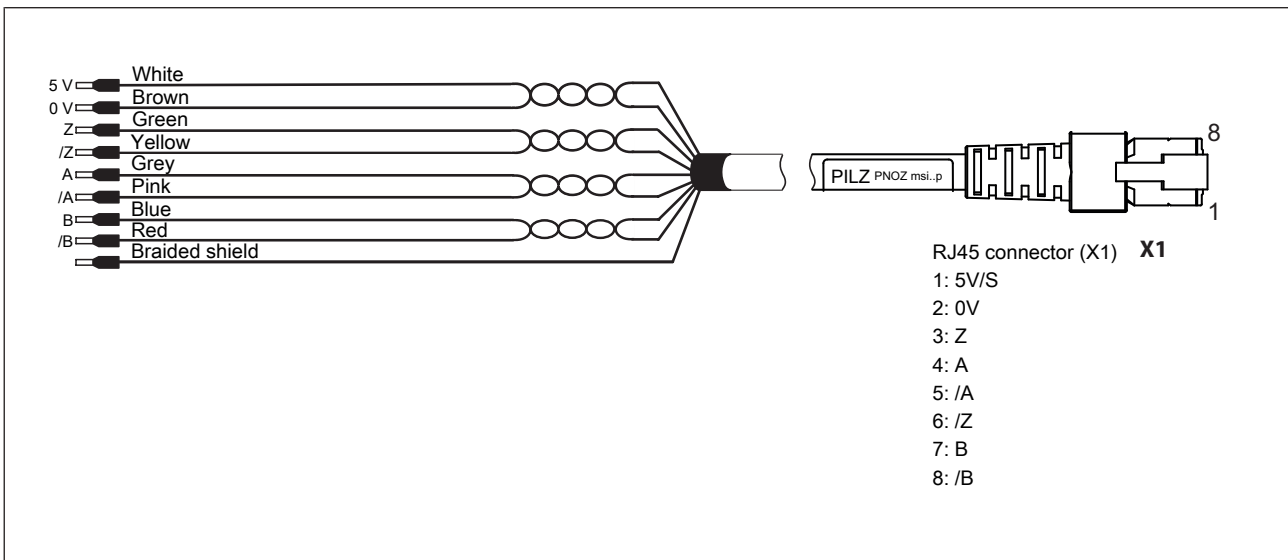
The cable cores for connecting the incremental encoder or adapter feature wires with crimp connectors. The cable cores are labelled.



### INFORMATION

Remove the protective cover of the RJ45 connector after installation in the control cabinet.

## Terminal assignment



### INFORMATION

The signals Z and /Z can only be evaluated with the speed monitor PNOZ s30.



### CAUTION!

Communication errors may occur if the adapter cable is too long or there are any external sources of interference. Use an adapter cable that's less than 5 m in length. Lay the adapter cable separately from any potential sources of interference, such as drive cables leading to the motor, for example.

## Technical details

<b>General</b>	<b>773854</b>	<b>773855</b>	<b>773856</b>
Certifications	<b>CE, UKCA</b>	<b>CE, UKCA</b>	<b>CE, UKCA</b>
<b>Electrical data</b>	<b>773854</b>	<b>773855</b>	<b>773856</b>
Operating voltage	<b>30 V</b>	<b>30 V</b>	<b>30 V</b>
Insulation resistance	<b>20 MOhm</b>	<b>20 MOhm</b>	<b>20 MOhm</b>
<b>Environmental data</b>	<b>773854</b>	<b>773855</b>	<b>773856</b>
Ambient temperature			
Temperature range	<b>0 - 60 °C</b>	<b>0 - 60 °C</b>	<b>0 - 60 °C</b>
Temperature range (moving)	<b>0 - 60 °C</b>	<b>0 - 60 °C</b>	<b>0 - 60 °C</b>
Storage temperature			
Temperature range	<b>-25 - 70 °C</b>	<b>-25 - 70 °C</b>	<b>-25 - 70 °C</b>
Condensation during operation	<b>Not permitted</b>	<b>Not permitted</b>	<b>Not permitted</b>
Protection type			
X1 when inserted	<b>IP20</b>	<b>IP20</b>	<b>IP20</b>
Housing	<b>IP20</b>	<b>IP20</b>	<b>IP20</b>
Mounting area (e.g. control cabinet)	<b>IP54</b>	<b>IP54</b>	<b>IP54</b>
<b>Mechanical data</b>	<b>773854</b>	<b>773855</b>	<b>773856</b>
Plug-in connector X1	<b>8-pin RJ45 male connector</b>	<b>8-pin RJ45 male connector</b>	<b>8-pin RJ45 male connector</b>
Form, plug-in connector X1	<b>Straight</b>	<b>Straight</b>	<b>Straight</b>
Housing material X1	<b>PBT</b>	<b>PBT</b>	<b>PBT</b>
Material of contact surface X1	<b>Au</b>	<b>Au</b>	<b>Au</b>
Mating cycles X1	<b>1500</b>	<b>1500</b>	<b>1500</b>
Cable length L1	<b>2,5 m</b>	<b>1,5 m</b>	<b>5 m</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 (fixed permanently) K1	<b>8 x Ø</b>	<b>8 x Ø</b>	<b>8 x Ø</b>
Min. bending radius (moving) K1	<b>10 x Ø</b>	<b>10 x Ø</b>	<b>10 x Ø</b>
Cable diameter K1	<b>5,8 mm</b>	<b>5,8 mm</b>	<b>5,8 mm</b>
Max. cable diameter K1	<b>6 mm</b>	<b>6 mm</b>	<b>6 mm</b>
Conductor cross section K1	<b>0,14 mm<sup>2</sup></b>	<b>0,14 mm<sup>2</sup></b>	<b>0,14 mm<sup>2</sup></b>
Wire colour K1	<b>White, brown, green, yellow, grey, pink, blue, red</b>	<b>White, brown, green, yellow, grey, pink, blue, red</b>	<b>White, brown, green, yellow, grey, pink, blue, red</b>
Shielding K1	<b>yes</b>	<b>yes</b>	<b>yes</b>

Mechanical data	773854	773855	773856
Wire layer separation K1	No	No	No
No. of wires K1	8	8	8
Certification cable K1	UL AWM-Style 20233	UL AWM-Style 20233	UL AWM-Style 20233
Certification plug-in connector X1	UL94 V-0	UL94 V-0	UL94 V-0
Weight	100 g	62 g	192 g

### Order reference

Product type	Features	Connector X1	Connector X2	Connector X3	Order no.
PNOZ msi 9p adapter cable 5m	5 m	8-pin RJ45 male connector			773856
PNOZ msi10p adapter cable 2.5m	2.5 m	8-pin RJ45 male connector			773854
PNOZ msi11p adapter cable 1.5m	1.5 m	8-pin RJ45 male connector			773855

### Accessories

#### Connector set

Product type	Features	Connector X1	Connector X2	Connector X3	Order no.
PNOZ msi S09	Connector set	9-pin D-Sub male connector	9-pin D-Sub female connector		773870
PNOZ msi S15	Connector set	15-pin D-Sub male connector	15-pin D-Sub female connector		773871
PNOZ msi S25	Connector set	25-pin D-Sub male connector	25-pin D-Sub female connector		773872

#### Junction box

Product type	Features	Connector X1	Connector X2	Connector X3	Order no.
PNOZ msi b1 Box 9p	Junction box	9-pin D-Sub female connector	9-pin D-Sub female connector	9-pin D-Sub male connector	773882
PNOZ msi b1 Box 15p	Junction box	25-pin D-Sub female connector	25-pin D-Sub female connector	25-pin D-Sub male connector	773880
PNOZ msi b1 Box 25p	Junction box	25-pin D-Sub female connector	25-pin D-Sub female connector	25-pin D-Sub male connector	773883

#### Connection box

Product type	Features	Order no.
PNOZ msi b4 Box	Connection box	773845

# ► Support

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21567-EN-10, 2022-10 Printed in Germany  
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