Visualisation; Diagnostics

Easy to Configure

Programming IEC 61131-3

Rapid Installation

PNOZ msi9p, msi10p, msi11p

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THE SPIRIT OF SAFETY

▶ Accessories PNOZmulti

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.

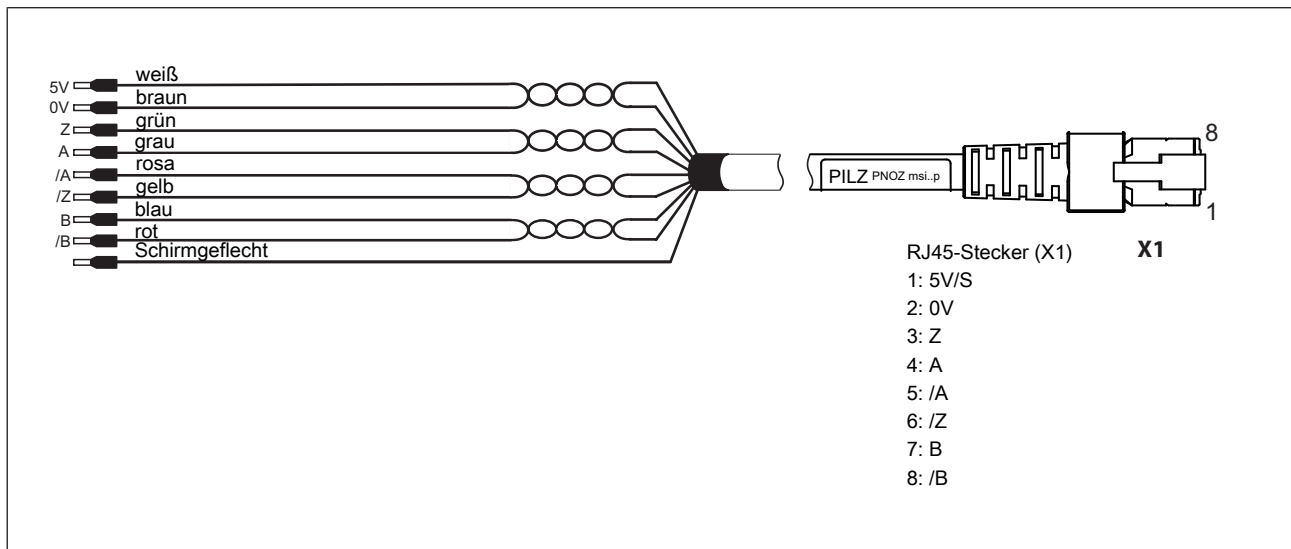The connection to the speed monitor is made via the RJ45 connector.

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

RJ45-Stecker (X1)   **X1**
1: 5V/S
2: 0V
3: Z
4: A
5: /A
6: /Z
7: B
8: /B

> **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

General	773854	773855	773856
Certifications	-	-	-
Electrical data	**773854**	**773855**	**773856**
Operating voltage	30 V	30 V	30 V
Insulation resistance	20 MOhm	20 MOhm	20 MOhm
Environmental data	**773854**	**773855**	**773856**
Ambient temperature			
Temperature range	0 - 60 °C	0 - 60 °C	0 - 60 °C
Temperature range (moving)	0 - 60 °C	0 - 60 °C	0 - 60 °C
Storage temperature			
Temperature range	-25 - 70 °C	-25 - 70 °C	-25 - 70 °C
Condensation during operation	Not permitted	Not permitted	Not permitted
Protection type			
X1 when inserted	IP20	IP20	IP20
Housing	IP20	IP20	IP20
Mounting area (e.g. control cabinet)	IP54	IP54	IP54
Mechanical data	**773854**	**773855**	**773856**
Plug-in connector X1	8-pin RJ45 male connector	8-pin RJ45 male connector	8-pin RJ45 male connector
Form, plug-in connector X1	Straight	Straight	Straight
Housing material X1	PBT	PBT	PBT
Material of contact surface X1	Au	Au	Au
Mating cycles X1	1500	1500	1500
Cable length L1	2,5 m	1,5 m	5 m
Colour of external cable insulation K1	Green, similar to RAL6018	Green, similar to RAL6018	Green, similar to RAL6018
Cable insulation material K1	PUR	PUR	PUR
Drag chain suitable K1	yes	yes	yes
Min. bending radius (fixed permanently) K1	8 x Ø	8 x Ø	8 x Ø
Min. bending radius (moving) K1	10 x Ø	10 x Ø	10 x Ø
Cable diameter K1	5,8 mm	5,8 mm	5,8 mm
Max. cable diameter K1	6 mm	6 mm	6 mm
Conductor cross section K1	0,14 mm²	0,14 mm²	0,14 mm²
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
Shielding K1	yes	yes	yes

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			773 856
PNOZ msi10p adapter cable 2.5m	2.5 m	8-pin RJ45 male connector			773 854
PNOZ msi11p adapter cable 1.5m	1.5 m	8-pin RJ45 male connector			773 855

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		773 870
PNOZ msi S15	Connector set	15-pin D-Sub male connector	15-pin D-Sub female connector		773 871
PNOZ msi S25	Connector set	25-pin D-Sub male connector	25-pin D-Sub female connector		773 872

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	773 882
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	773 880
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	773 883

Connection box

Product type	Features	Order no.
PNOZ msi b4 Box	Connection box	773 845

▶ Support

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