PNOZ msi17p

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- Accessories PNOZmulti

Operating Manual-21751-EN-07

Description

The connection cable PNOZ msi17p is used to connect an encoder to the speed monitors PNOZ ms2p, PNOZ ms3p, PNOZ ms4p or PNOZ s30.

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

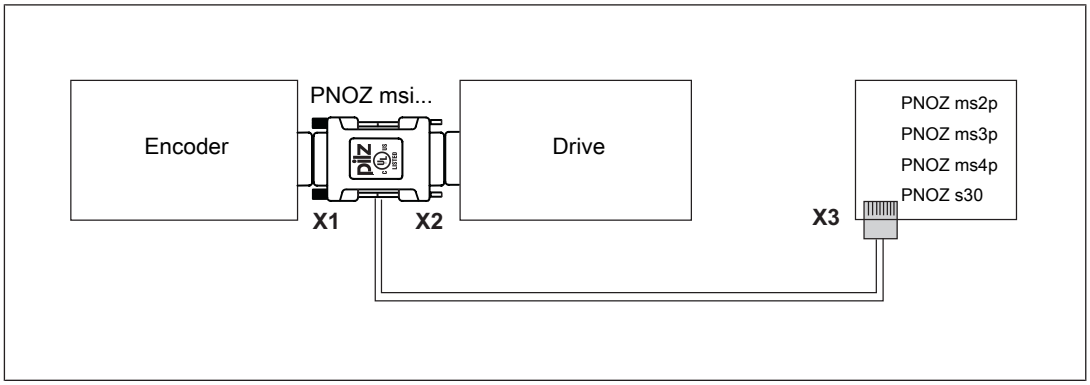
INFORMATION

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

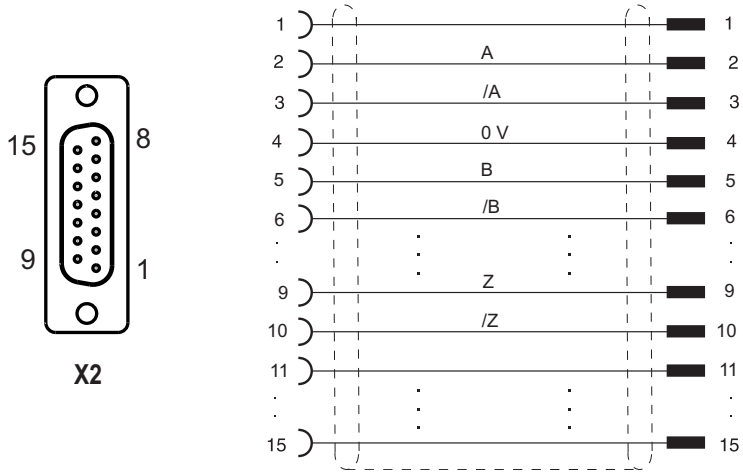
CAUTION!

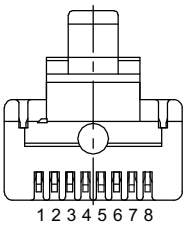
Communication errors may occur if the adapter cable is too long or there are any external sources of interference. Use an adapter cable that's less than 5 m in length. Lay the adapter cable separately from any potential sources of interference, such as drive cables leading to the motor, for example.

Connection



Connector pin assignment

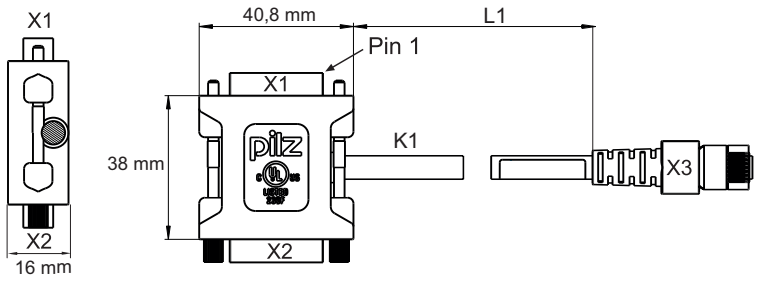


X3	Pin	Track
	1	n.c.
	2	0 V
	3	Z
	4	A
	5	/A
	6	/Z
	7	B
	8	/B

INFORMATION

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

Dimensions



Technical details

General	
Certifications	**cULus Listed**
Electrical data	
Operating voltage	**30 V**
Insulation resistance	**10 MOhm**
Environmental data	
Ambient temperature	
Temperature range	**0 - 60 °C**
Temperature range (moving)	**0 - 60 °C**
Storage temperature	
Temperature range	**-25 - 70 °C**
Condensation during operation	**Not permitted**
Protection type	
X1 when inserted	**IP20**
X2 when inserted	**IP20**
X3 when inserted	**IP20**
Housing	**IP20**
Mounting area (e.g. control cabinet)	**IP54**
Mechanical data	
Plug-in connector X1	**15-pin D-Sub male connector**
Form, plug-in connector X1	**Straight**
Plug-in connector X2	**15-pin D-Sub female connector**
Form, plug-in connector X2	**Straight**
Plug-in connector X3	**8-pin RJ45 male connector**
Design of plug-in connector X3	**Straight**
Fixing screws	**UNC 4-40**
Housing material X1	**Nickel steel, tin-plated**
Housing material X2	**Nickel steel, tin-plated**
Housing material X3	**PBT**
Material of contact surface X1	**Au**
Material of contact surface X2	**Au**
Material of contact surface X3	**Au**
Material of pin	**Cu alloy**
Material of socket	**Cu alloy**
Mating cycles X1	**50**
Mating cycles X2	**50**
Mating cycles X3	**1500**
Cable length L1	**5 m**
Cable length tolerance K1	**+/- 0,15 m**
Colour of external cable insulation K1	**Green, similar to RAL6018**
Colour of housing	**Black RAL 9005**
Cable insulation material K1	**PUR**
Drag chain suitable K1	**yes**

Mechanical data	
Min. bending radius (fixed permanently) K1	**8 x Ø**
Min. bending radius (moving) K1	**10 x Ø**
Cable diameter K1	**5,8 mm**
Max. cable diameter K1	**6 mm**
Conductor cross section K1	**0,14 mm²**
Conductor cross section AWG K1	**26**
Wire colour K1	**White, brown, green, yellow, grey, pink, blue, red**
Shielding K1	**yes**
Wire layer separation K1	**No**
No. of wires K1	**8**
Certification cable K1	**UL AWM-Style 20233**
Certification plug-in connector X1	**UL94 V-0**
Certification plug-in connector X2	**UL94 V-0**
Certification plug-in connector X3	**UL94 V-0**
Material	
Housing	**TPE-SEBS UL 94 HB**
Dimensions	
Height	**38 mm**
Width	**40,8 mm**
Depth	**16 mm**
Weight	**190 g**

Order reference

Product type	Features	Connector X1	Connector X2	Connector X3	Order no.
PNOZ msi17p Bos/ Rex 15/15 5.0m	5 m	15-pin D-Sub male connector	15-pin D-Sub female connector	8-pin RJ45 male connector	773 875

Support

Technical support is available from Pilz round the clock.

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Energy saving by Pilz

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