Visualisation; Diagnostics

Easy to Configure

Programming IEC 61131-3

Rapid Installation

PNOZ msi12p

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▸ Accessories PNOZmulti

Description

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

The contacts on connectors X1 and X2 are connected and have the same assignment. The signals that are relevant for the speed monitor are recorded in parallel and are fed to the RJ45 connector via the cable.

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

Connector pin assignment
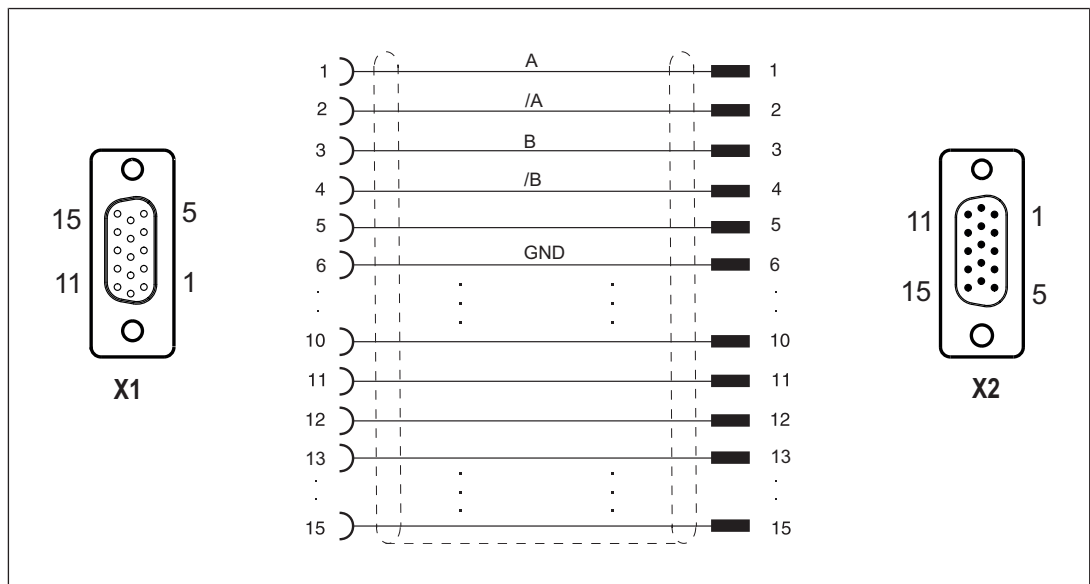
> **INFORMATION**
>
> The signals Z and /Z for the speed monitor PNOZ s30 are not recorded.

Dimensions in mm

PIN 1

X2

17.6

X3

PIN 1

PILZ
PNOZ msi_p

K_1

L_1

X1

30

32

X2

48

X1

PIN 1

Technical details

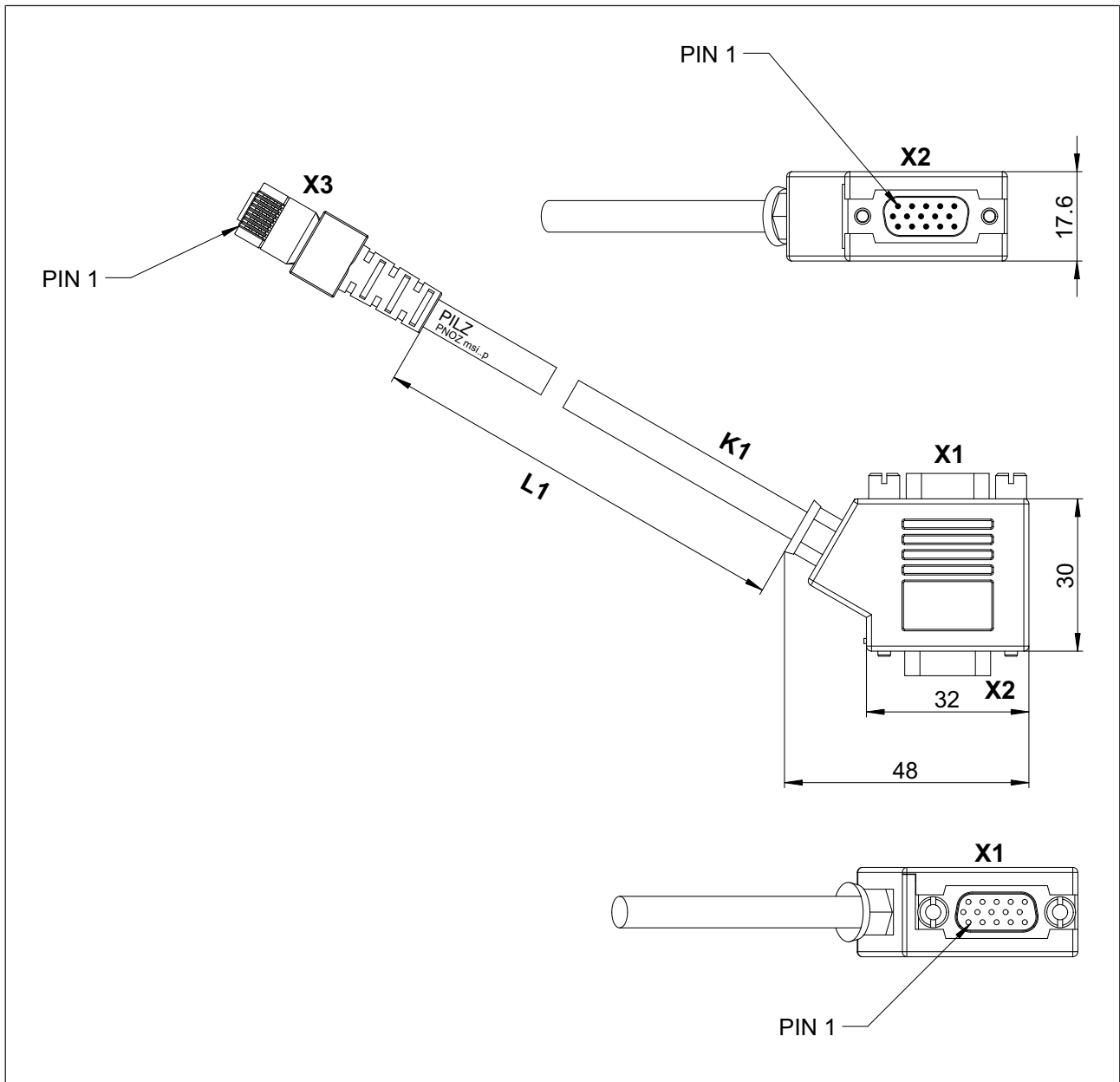| General	
Certifications	**-**
Electrical data	
Operating voltage	**30 V**
Insulation resistance	**20 MOhm**
Environmental data	
Ambient temperature	
Temperature range	**0 - 60 °C**
Temperature range (moving)	**0 - 60 °C**
Storage temperature	
Temperature range	**-25 - 70 °C**
Condensation during operation	**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 HD D-Sub female connector**
Form, plug-in connector X1	**Straight**
Plug-in connector X2	**15-pin HD D-Sub male 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	**PBT**
Housing material X2	**PBT**
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	**Brass**
Material of socket	**Brass**
Mating cycles X1	**50**
Mating cycles X2	**50**
Mating cycles X3	**1500**
Cable length L1	**2,5 m**
Colour of external cable insulation K1	**Green, similar to RAL6018**
Cable insulation material K1	**PUR**
Drag chain suitable K1	**yes**
Min. bending radius (fixed permanently) K1	**8 x Ø**
Min. bending radius (moving) K1	**10 x Ø**

Mechanical data	
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	**Zn**
Dimensions	
Height	**30 mm**
Width	**32 mm**
Depth	**17,6 mm**
Weight	**121 g**

Order references

Product type	Features	Connector X1	Connector X2	Connector X3	Order no.
PNOZ msi12p Rockwell 15/15 2.5m	2.5 m	15-pin HD D-Sub female connector	15-pin HD D-Sub male connector	8-pin RJ45 male connector	773 868

▶ Support

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