



PNOZ msi13p

PILZ
THE SPIRIT OF SAFETY

► Accessories PNOZmulti

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SD means Secure Digital

Description

The connection cable is used to connect an incremental encoder to the speed monitors PNOZ ms1p, 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. These signals use the following pins on connectors X1 and X2:

Signal	PIN No.
A	5
/A	6
B	7
/B	8
Vcc	20
GND	12



INFORMATION

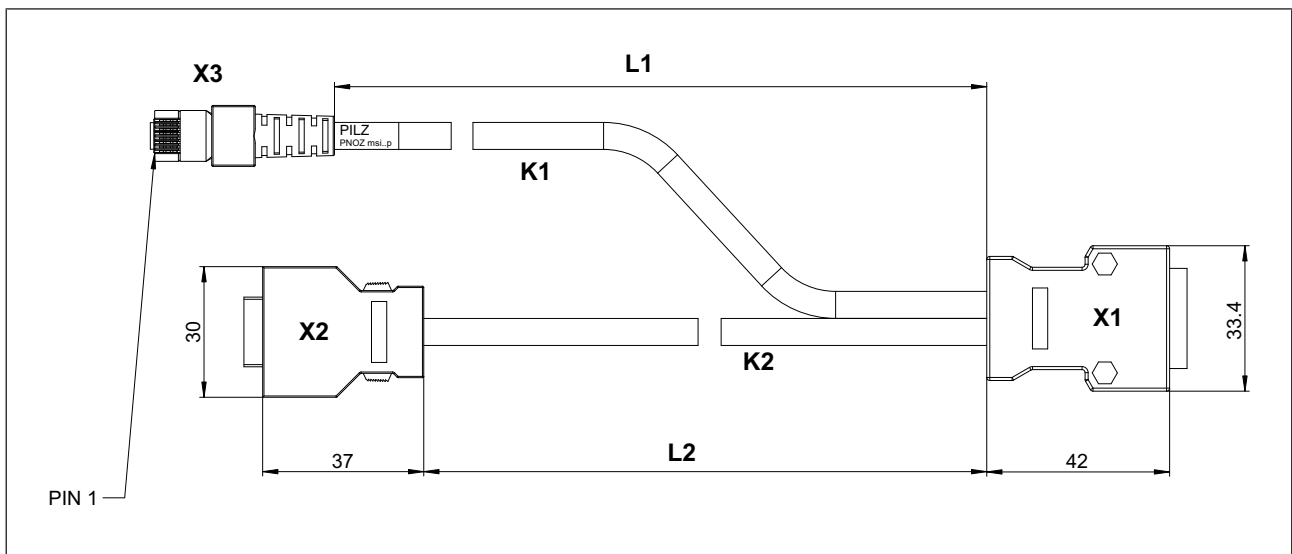
The signals Z and /Z for the speed monitor PNOZ s30 are not recorded.



INFORMATION

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

Dimensions in mm



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
Protection type	
X1 when inserted	IP20
X2 when inserted	IP20
X3 when inserted	IP20
Housing	IP20
Mechanical data	
Plug-in connector X1	20-pin D-Sub female connector
Plug-in connector X2	20-pin D-Sub male connector
Plug-in connector X3	8-pin RJ45 male connector
Design of plug-in connector X3	Straight
Housing material X1	Zn
Housing material X2	Steel
Housing material X3	PBT
Conductor material K2	Cu
Mating cycles X3	1500
Cable type K1	Li9YC11Y
Cable length L1	2,5 m
Cable length L2	0,2 m
Cable length tolerance K1	+/- 0,15 m
Colour of external cable insulation K1	Green, similar to RAL6018
Colour of housing	Grey
Cable insulation material K1	PUR
Cable insulation material K2	PVC
Drag chain suitable K1	yes
Drag chain suitable K2	No
Min. bending radius (fixed permanently) K1	8 x Ø
Min. bending radius (moving) K1	10 x Ø
Cable diameter K1	5,8 mm
Cable diameter K2	7,4 mm
Max. cable diameter K1	6 mm
Max. cable diameter K2	7,2 - 7,8 mm
Conductor cross section K1	0,14 mm²

Mechanical data	
Conductor cross section K2	0,14 mm²
Wire colour K1	White, brown, green, yellow, grey, pink, blue, red
Shielding K1	yes
Shielding K2	yes
Wire layer separation K1	No
Wire layer separation K2	No
No. of wires K1	8
No. of wires K2	20
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	ABS
Dimensions	
Height	42 mm
Width	33,4 mm
Depth	13,5 mm
Weight	152 g

Order reference

Product type	Features	Connector X1	Connector X2	Connector X3	Order no.
PNOZ msi13p Fa-nuc 20/20 2.5m	2.5 m	20-pin D-Sub female connector	20-pin D-Sub male connector	8-pin RJ45 male connector	773 869

► Support

Technical support is available from Pilz round the clock.

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