PNOZ msi b0

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▸ Accessories PNOZmulti

Description

The connection cable PNOZ msi b0 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.

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

Connector pin 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 the connector X1:

Signal	PIN	
	PNOZ msi b0 cable 15/RJ45	PNOZ msi b0 cable 25/RJ45
A	2	3
/A	9	4
B	3	6
/B	10	7
Vcc	nc	nc
GND	4	5
Z	1	17
/Z	5	18

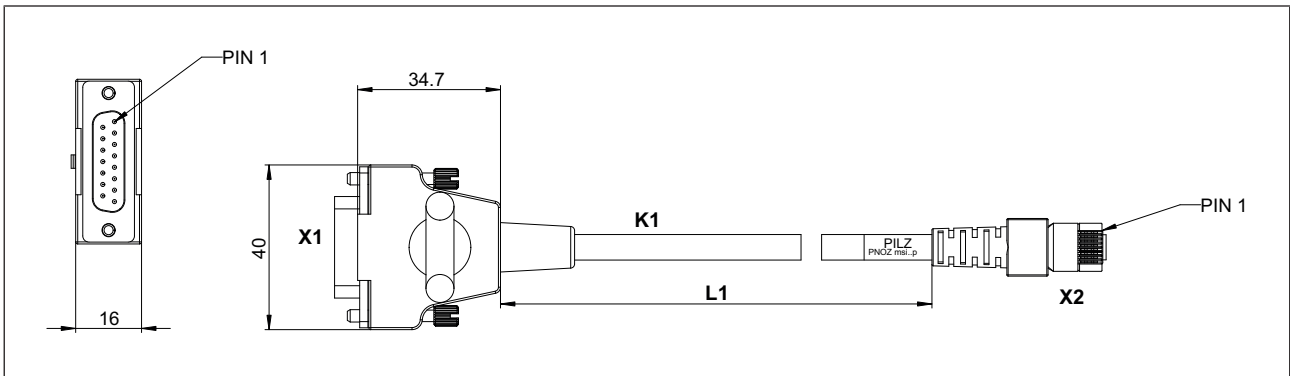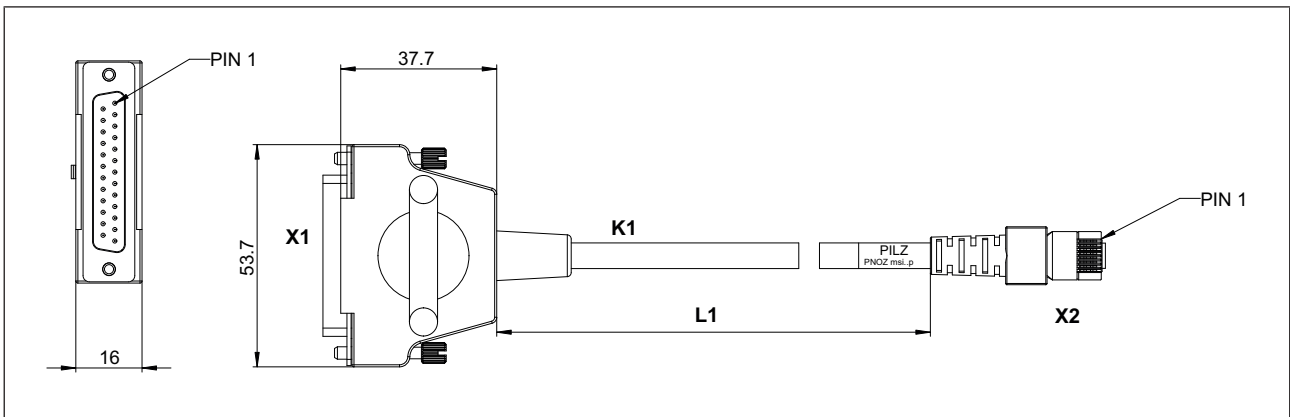| X3	Pin	Track
	1	n.c.
	2	0 V
	3	Z
	4	A
	5	/A
	6	/Z
	7	B
	8	/B

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

Dimensions in mm

▶ PNOZ msi b0 cable 15/RJ45

▶ PNOZ msi b0 cable 25/RJ45

Technical details

General	773881	773884
Certifications	-	-
Electrical data	**773881**	**773884**
Operating voltage	30 V	30 V
Insulation resistance	20 MOhm	20 MOhm
Environmental data	**773881**	**773884**
Ambient temperature		
Temperature range	0 - 60 °C	0 - 60 °C
Temperature range (moving)	0 - 60 °C	0 - 60 °C
Storage temperature		
Temperature range	-25 - 70 °C	-25 - 70 °C
Condensation during operation	Not permitted	Not permitted
Protection type		
X1 when inserted	IP20	IP20
X2 when inserted	IP20	IP20
Housing	IP20	IP20
Mounting area (e.g. control cabinet)	IP54	IP54

Mechanical data	773881	773884
Plug-in connector X1	15-pin D-Sub male connector	25-pin D-Sub male connector
Form, plug-in connector X1	Straight	Straight
Plug-in connector X2	8-pin RJ45 male connector	8-pin RJ45 male connector
Form, plug-in connector X2	Straight	Straight
Housing material X1	PBT	PBT
Housing material X2	PBT	PBT
Material of contact surface X1	Au	Au
Material of contact surface X2	Au	Au
Material of pin	Brass	Brass
Material of socket	Brass	Brass
Conductor material K1	Cu	Cu
Mating cycles X1	50	50
Mating cycles X2	1500	1500
Cable type K1	Li9YC11Y	Li9YC11Y
Cable length L1	0,3 m	2,5 m
Cable length tolerance K1	+ 0,035m	+/- 0,15 m
Colour of external cable insulation K1	Green, similar to RAL6018	Green, similar to RAL6018
Colour of housing	Silver	Silver
Cable insulation material K1	PUR	PUR
Drag chain suitable K1	yes	yes
Min. bending radius (fixed permanently) K1	8 x Ø	8 x Ø
Min. bending radius (moving) K1	10 x Ø	10 x Ø
Cable diameter K1	5,8 mm	5,8 mm
Max. cable diameter K1	6 mm	6 mm
Conductor cross section K1	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
Shielding K1	yes	yes
Wire layer separation K1	No	No
No. of wires K1	8	8
Certification cable K1	UL AWM-Style 20233	UL AWM-Style 20233
Certification plug-in connector X1	UL94 V-0	UL94 V-0
Certification plug-in connector X2	UL94 V-0	UL94 V-0
Material		
Housing	PC+ABS	PC+ABS
Dimensions		
Height	32 mm	35 mm
Width	40 mm	53,7 mm
Depth	16 mm	16 mm
Weight	38 g	127 g

Order reference

Product type	Features	Connector X1	Connector X2	Connector X3	Order no.
PNOZ msi b0 cable 15/RJ45	0.3 m	15-pin D-Sub male connector	8-pin RJ45 male connector		773 881
PNOZ msi b0 cable 25/RJ45	2.5 m	25-pin D-Sub male connector	8-pin RJ45 male connector		773 884

Accessories

Product type	Features	Connector X1	Connector X2	Connector X3	Order no.
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

▶ Support

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