Visualisation; Diagnostics

Easy to Configure

Programming IEC 61131-3

Rapid Installation

MM A MINI-IO CAB14

PILZ

THE SPIRIT OF SAFETY

▸ Accessories PNOZmulti

Description

The connection cable MM A MINI-IO CAB14 is used to connect an encoder to the speed monitors PNOZ m EF 1MM, PNOZ m EF 2MM or PSSu K F EI.

The connection to the speed monitor is made via the Mini-IO connector.

> **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
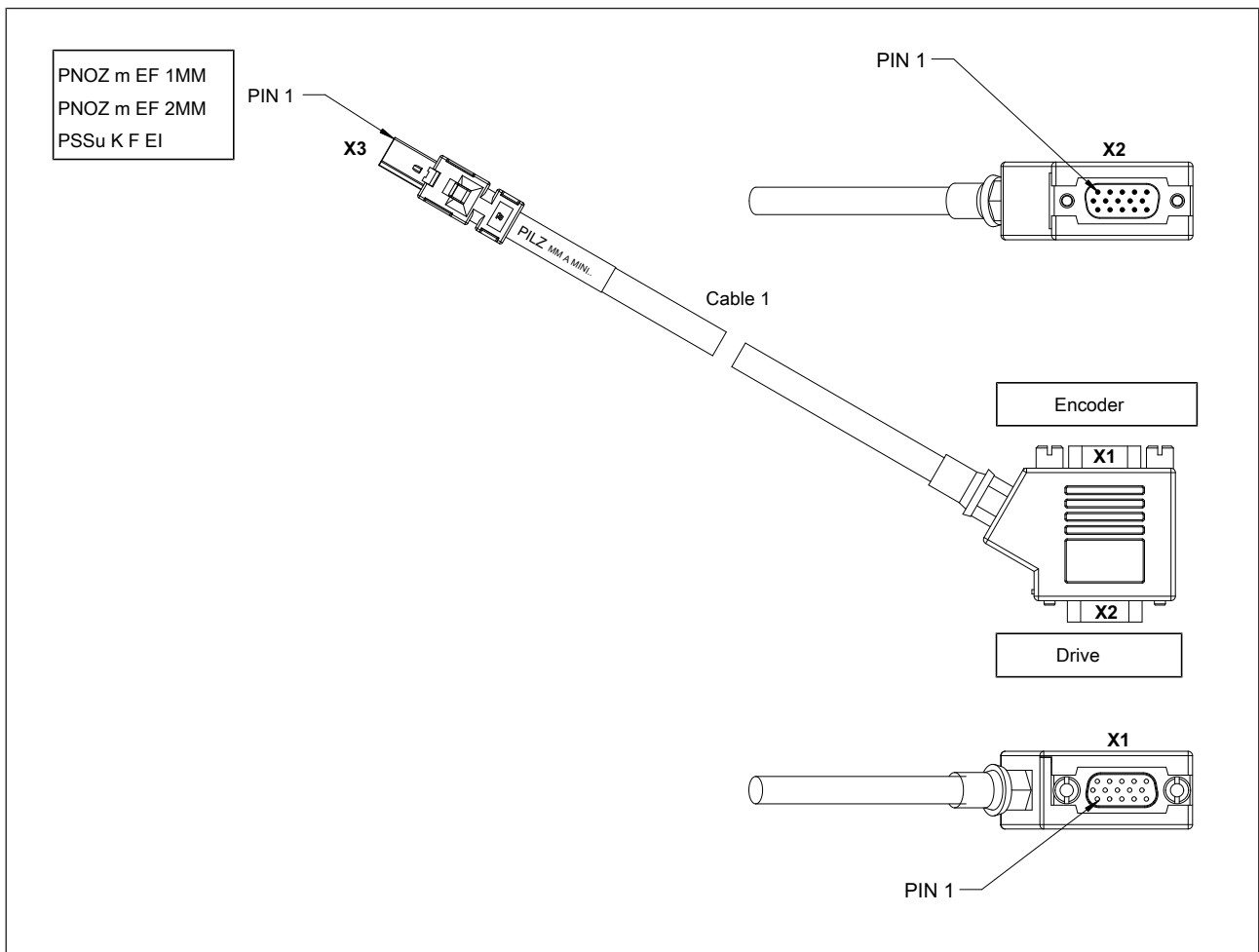
Connector pin assignment
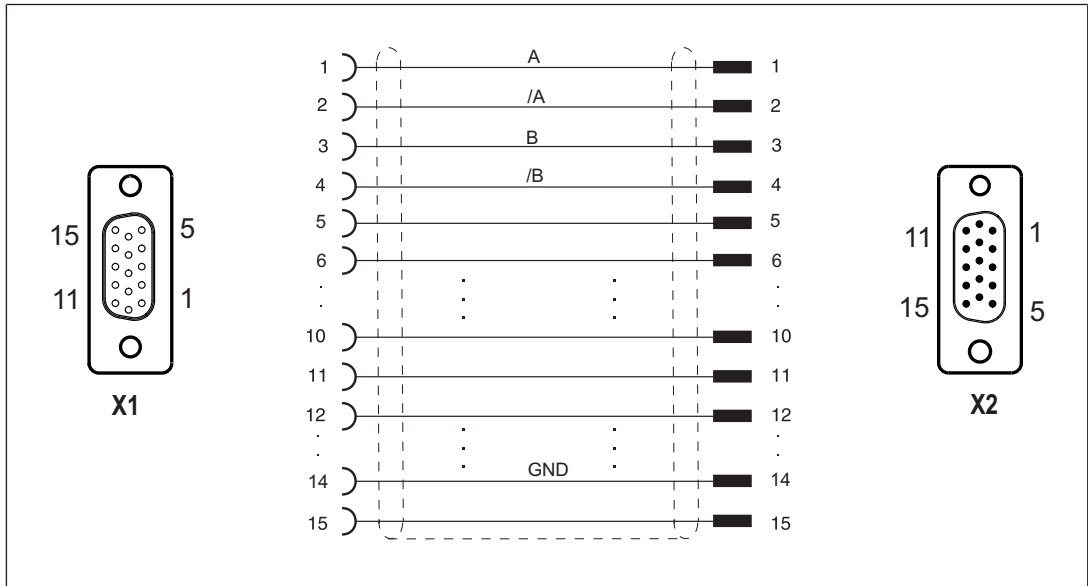
X3		Pin	Track
2 4 6 8		1	S
		2	GND
		3	Z
		4	A
		5	/A
		6	/Z
		7	B
1 3 5 7		8	/B

INFORMATION

The signals S, Z and /Z are not recorded.

Dimensions

Technical details

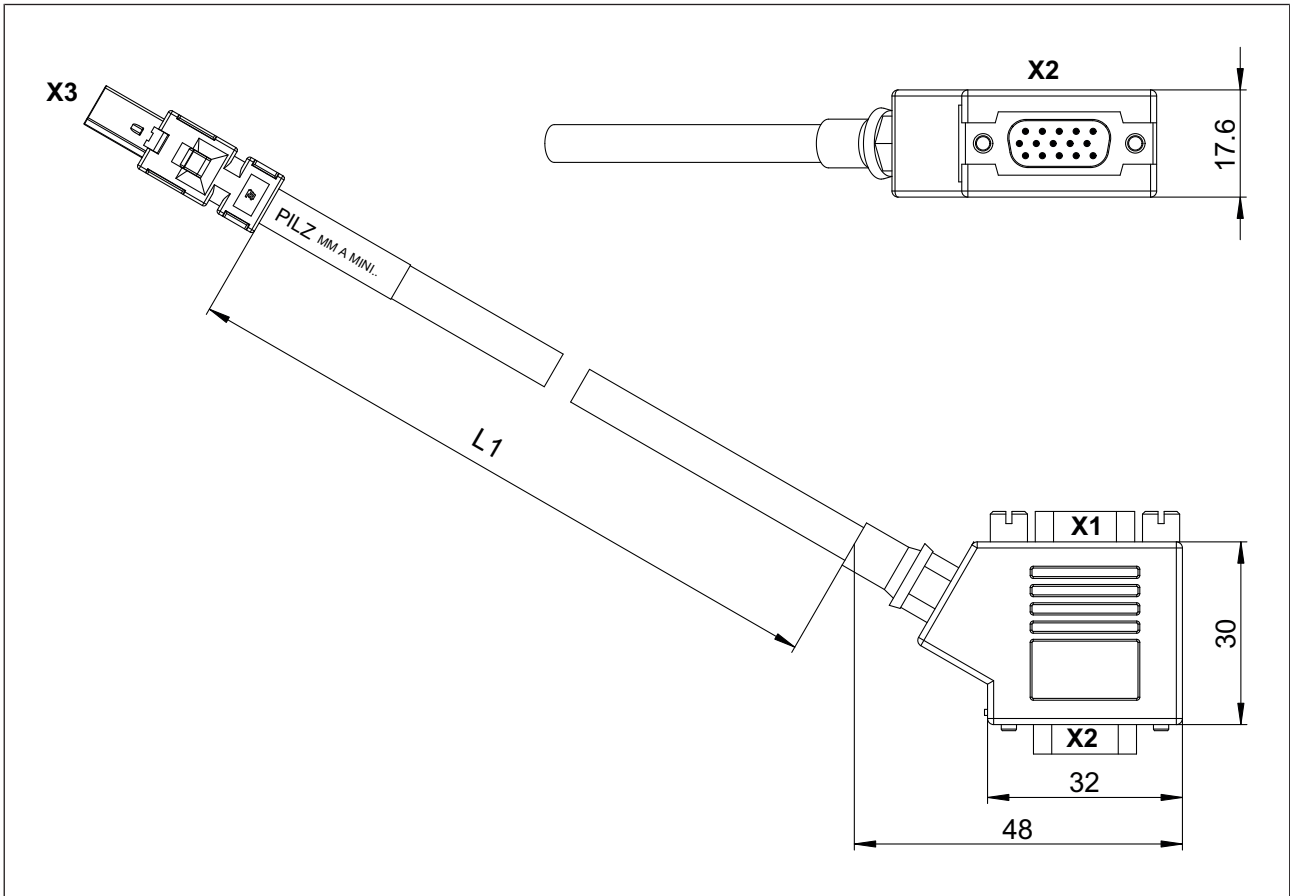| General	
Certifications	**-**
Electrical data	
Insulation resistance	**20 MOhm**
Environmental data	
Ambient temperature	
Temperature range	**0 - 60 °C**
Temperature range (moving)	**0 - 60 °C**
Storage temperature	
Temperature range	**-25 - 70 °C**
Condensation during operation	**Not permitted**
Protection 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 Mini-IO 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**
Cable length tolerance K1	**+/- 0,15 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**
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	**1: white, 2: brown, 3: green, 4: yellow, 5: grey, 6: pink, 7: blue, 8: 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	**161 g**

Order references

Product type	Features	Connector X1	Connector X2	Connector X3	Order no.
MM A MINI-IO CAB14 2.5m	2.5 m	15-pin HD D-Sub female connector	15-pin HD D-Sub male connector	8-pin Mini-IO male connector	772 246