

MM A MINI-IO CAB99

PILZ
THE SPIRIT OF SAFETY

- Accessories PNOZmulti

Operating Manual-1003125-EN-05

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SD means Secure Digital

Description

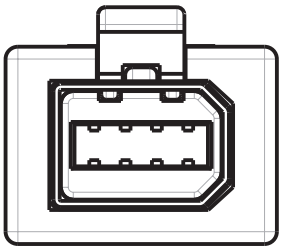
The connection cables MM A MINI-IO CAB99 are used to connect an incremental encoder or adapter to the speed monitors PNOZ m EF 1MM, PNOZ m EF 2MM or PSSu K F EI.

The connection to the speed monitor is made via the Mini-IO connector. The signals and the braided shield for connecting the incremental encoder or adapter feature wires with crimp connectors. The cable cores are labelled.

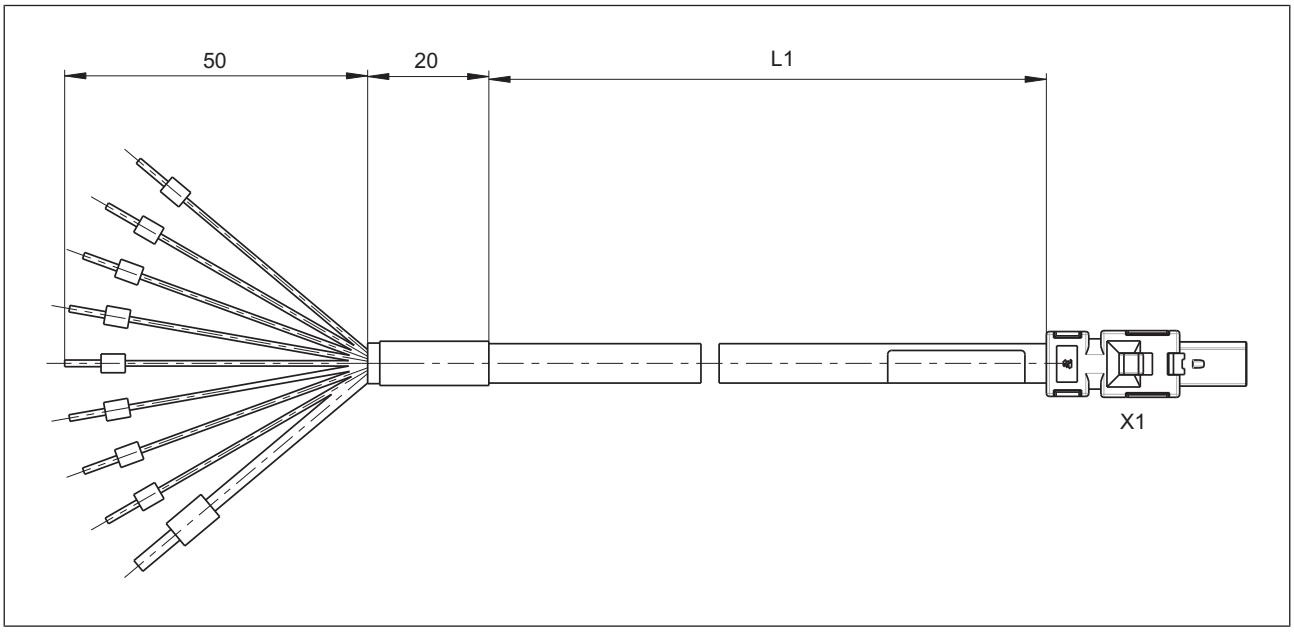
CAUTION!

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.

Connector pin assignment

X3	Pin	Wire colour	track
2 4 6 8  1 3 5 7	1	White	S
	2	Brown	GND
	3	Green	Z
	4	Grey	A
	5	Pink	/A
	6	Yellow	/Z
	7	Blue	B
	8	Red	/B

Dimensions



Technical details

General	772200	772201	772202
Approvals	-	-	-
Electrical data	**772200**	**772201**	**772202**
Insulation resistance	**20 MOhm**	**20 MOhm**	**20 MOhm**
Environmental data	**772200**	**772201**	**772202**
Ambient temperature			
Temperature range	**0 - 60 °C**	**0 - 60 °C**	**0 - 60 °C**
Temperature range (moving)	**0 - 60 °C**	**0 - 60 °C**	**0 - 60 °C**
Storage temperature			
Temperature range	**-25 - 70 °C**	**-25 - 70 °C**	**-25 - 70 °C**
Condensation during operation	**Not permitted**	**Not permitted**	**Not permitted**
Protection type			
X1 when inserted	**IP20**	**IP20**	**IP20**
Housing	**IP20**	**IP20**	**IP20**
Mounting area (e.g. control cabinet)	**IP54**	**IP54**	**IP54**
Mechanical data	**772200**	**772201**	**772202**
Plug-in connector X1	**8-pin Mini-IO male connector**	**8-pin Mini-IO male connector**	**8-pin Mini-IO male connector**
Form, plug-in connector X1	**Straight**	**Straight**	**Straight**
Housing material X1	**PBT**	**PBT**	**PBT**
Material of contact surface X1	**Au**	**Au**	**Au**

Mechanical data	772200	772201	772202
Mating cycles X1	**1500**	**1500**	**1500**
Cable length L1	**1,5 m**	**2,5 m**	**5 m**
Cable length tolerance K1	**+/- 0,15 m**	**+/- 0,15 m**	**+/- 0,15 m**
Colour of external cable insulation K1	**Green, similar to RAL6018**	**Green, similar to RAL6018**	**Green, similar to RAL6018**
Cable insulation material K1	**PUR**	**PUR**	**PUR**
Drag chain suitable K1	**yes**	**yes**	**yes**
Min. bending radius (fixed permanently) K1	**8 x Ø**	**8 x Ø**	**8 x Ø**
Min. bending radius (moving) K1	**10 x Ø**	**10 x Ø**	**10 x Ø**
Cable diameter K1	**5,8 mm**	**5,8 mm**	**5,8 mm**
Max. cable diameter K1	**6 mm**	**6 mm**	**6 mm**
Conductor cross section K1	**0,14 mm²**	**0,14 mm²**	**0,14 mm²**
Shielding K1	**yes**	**yes**	**yes**
Wire layer separation K1	**No**	**No**	**No**
No. of wires K1	**8**	**8**	**8**
Approval cable K1	**UL AWM-Style 20233**	**UL AWM-Style 20233**	**UL AWM-Style 20233**
Approval of plug-in connector X1	**UL94 V-0**	**UL94 V-0**	**UL94 V-0**
Weight	**95 g**	**155 g**	**305 g**

Order references

Product type	Features	Connector X1	Connector X2	Connector X3	Order no.
MM A MINI-IO CAB99 1.5m	1.5 m	8-pin Mini-IO male connector			772 200
MM A MINI-IO CAB99 2.5m	2.5 m	8-pin Mini-IO male connector			772 201
MM A MINI-IO CAB99 5.0m	5 m	8-pin Mini-IO male connector			772 202

Accessories

Connector set

Product type	Features	Connector X1	Connector X2	Connector X3	Order no.
PNOZ msi S09	Connector set	9-pin D-Sub male connector	9-pin D-Sub female connector		773 870
PNOZ msi S15	Connector set	15-pin D-Sub male connector	15-pin D-Sub female connector		773 871
PNOZ msi S25	Connector set	25-pin D-Sub male connector	25-pin D-Sub female connector		773 872

Junction box

Product type	Features	Connector X1	Connector X2	Connector X3	Order no.
PNOZ msi b1 Box 9p	Junction box	9-pin D-Sub female connector	9-pin D-Sub female connector	9-pin D-Sub male connector	773 882
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

Connection box

Product type	Features	Order no.
PNOZ msi b4 Box	Connection box	773 845

Support

Technical support is available from Pilz round the clock.

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