

Data sheet

KAPRi plus extension set M12 D-coded

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P/N
130675-E

EAN 4250184175735

2026/08/21

Version: I

Illustrations



See enlarged drawings at the end of document

Product specification

- KAPRi plus Extension Kit M12 D-coded
- adds to the KAPRi plus Basic Unit to identify installation errors of data cables with D-coded M12 connectors



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Technical Data

General Data

Design	Extension set
Shielding	shielded
Transmission technology	Copper
Cable Type	S/FTP
Number of twisting elements	4
Twisting element	single core
Wiring	Profinet
Color	black/green

Transmission characteristics

Category (ISO)	5
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Connections/interfaces

Connector technology interface 1	M12-plug RJ45 plug
Connector technology interface 2	M12-jack, RJ45-jack
Coding interface 1	D-coded
Coding interface 2	D-coded
Number of ports interface 1	1
Number of ports interface 2	1
Number of equipped ports interface 1	1
Number of ports interface 2 equipped	1
Number of positions/contacts interface 1	8P/4C (RJ45), 4 (M12)
Number of positions/contacts interface 2	4

Electrical characteristics

Current carrying capacity	max. 1 A
Through resistance	max. 5 mOhm
Insulation resistance	min. 100 MOhm



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Mechanical data

Position/mounting of latch standard installation position	top
Shielding braid coverage	85 %

Materials and material properties

Material - Cable jacket	PUR
Material - Inner cable jacket	FRNC, with an aluminized film
Material - Plug housing interface 1	PVC (polyvinyl chloride)
Material - Body interface 1	Plastics
Material - Contact interface 1	CuSn (tin bronze) (RJ45), CuZn (brass) (M12)
Material - Contact finish interface 1	Au (gold) (RJ45), Au (gold) (M12)
Material - Contact carriers interface 1	Plastic (RJ45)
Material - Union nut interface 1	CuZnPb (brass)
Material - Union nut finish interface 1	Ni (nickel) (M12)
Material - Shield interface 1	CuSn (tin bronze) (RJ45)
Material - Main shield	Cu (copper) braid
Material - Main shield finish	Sn
Halogen free	yes
RoHS	compliant

Environmental conditions

Temperature (min. - max.)	
Temperature - Storage °C	-5 °C - 45 °C
Temperature - Storage °F	23 °F - 113 °F
Temperature - Operating °C	-5 °C - 45 °C
Temperature - Operating °F	23 °F - 113 °F
Particulate ingress interface 1	IP2X (RJ45), IP6X when plugged in (M12)
Liquid ingress/immersion interface 1	IPX0 (RJ45), IPX7 when plugged in (M12)
Pollution degree interface 1	1 (RJ45), 3/2 (M12)



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Standards/Regulations

Multi-element metallic cables used in analogue and digital communication and control DIN EN 50288-4-1

Classifications

ETIM 7.0	EC000305
ETIM 8.0	EC000305
ETIM 9.0	EC000305
ETIM 10.0	EC000305

Packing details

Type of packaging 1 pc(s) / plastic bag

Application note

This product is a standard product of METZ CONNECT. METZ CONNECT is not aware of the specific intended use of the goods by the Customer or any customers of the Customer. The Customer guarantees that it has fully and sufficiently tested the use of the goods and any product modifications, product changes or product enhancements with regard to the specific intended use in accordance with the state of the art or in any other way.



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Accessories from

P/N	Designation
130670-E	KAPRi plus cable and installation tester
130671-E	KAPRi plus test boxes 2 to 5
130672-E	KAPRi plus test boxes 6 to 9
130673-01-E	KAPRi plus test box 1
130676-E	KAPRi plus plastic case unequipped

