

Data sheet

Cat.7 cable connector IP67

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P/N
130863-01-E

EAN 4250184113195

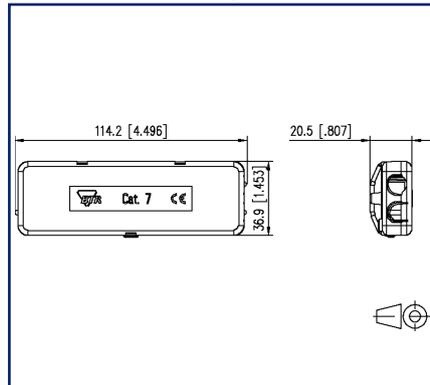
2025/11/18

Version: AK

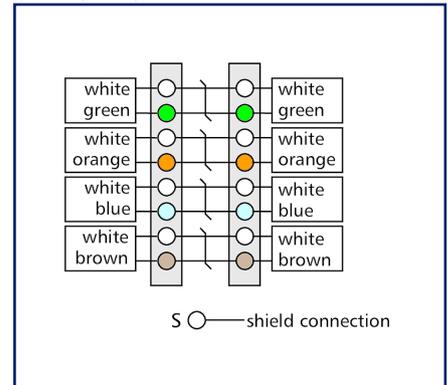
Illustrations



Dimensional drawing



Wiring diagram



See enlarged drawings at the end of document

Product specification

- for connecting/extending data cables up to Cat.7_A
- IP67 protection due to special shrink tube
- in combination with Cat.6_A to Cat.8 cables and Cat.6_A connection technology, class E_A according to ISO/IEC 11801 is fulfilled
- connection of data lines AWG 26/1 to 22/1 (solid wire)
- cable feed from one or two sides
- cable sharing, i.e. splitting one 8-wire cable into two 4-wire cables (one cable tie required each on input and output side)
- fully shielded metal housing
- strain relief and separate captive 360° shield connection

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Technical Data

General Data

Mechanical measurement according to MICE	M1
Ingress measurement according to MICE	I1
Climatic measurement according to MICE	C1
Electromagnetic measurement according to MICE	E2
Design	cable connector
Shielding	shielded
Transmission technology	Copper
Color	metallike
Dimensions	
Dimension (L x W x H)	20.5 mm x 114.2 mm x 36.9 mm
Dimension (L x W x H)	0.807 in. x 4.496 in. x 1.453 in.

Transmission characteristics

Category (ISO)	7
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Connections/interfaces

Connector technology interface 1	LSA terminal block
Connector technology interface 2	LSA terminal block
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
Termination data, solid wire (min. - max.)	
Conductor cross section, solid wire	AWG 26/1 - AWG 22/1
Conductor cross section, solid wire	0.128 mm ² - 0.324 mm ²
Aderdurchmesser (min.-max.)	
Core diameter (conductor with insulation)	1 mm - 1.6 mm
Core diameter (conductor with insulation)	0.039 in. - 0.063 in.



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Connections/interfaces

Cable sheath diameter (min. - max.)

Cable sheath diameter	5.5 mm - 9.6 mm
Cable sheath diameter	0.197 in. - 0.354 in.
Reconnectibility	yes, if cross section is greater or the same

Electrical characteristics

Current carrying capacity	max. 1 A at 60 °C
Rated voltage	max. 60 V DC
Through resistance	max. 5 mOhm
Insulation resistance	min. 100 MOhm
Dielectric strength conductor-conductor (primarily)	750 V DC

Mechanical data

Life - Number of mating cycles	min. 100
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Materials and material properties

Material - Housing	GD-Zn
Halogen free	yes

Environmental conditions

Temperature (min. - max.)	
Temperature - Storage °C	-25 °C - 85 °C
Temperature - Storage °F	-13 °F - 185 °F
Temperature - Operating °C	-25 °C - 85 °C
Temperature - Operating °F	-13 °F - 185 °F
Particulate ingress	IP6X
Liquid ingress/immersion	IPX7
Shock	490 m/s ²



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Technical Data**Classifications**

ETIM 7.0	EC001121
ETIM 8.0	EC001121
ETIM 9.0	EC001121
ETIM 10.0	EC001121

Packing details

Type of packaging 1 pc(s) / box

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. At METZ CONNECT's request, the Customer shall submit and make available meaningful evidence (e.g. test and laboratory protocols, certifications, etc.).



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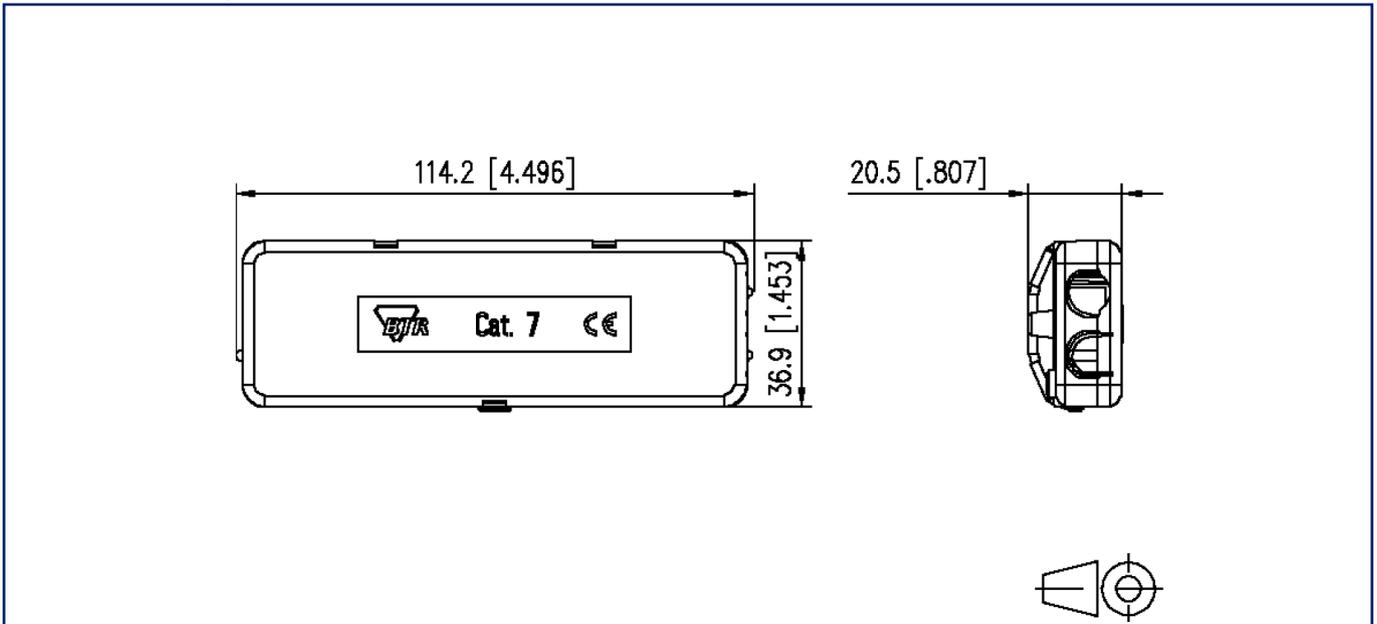
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