

Data sheet

E-DAT modul Coupler 8(8) 90° class E_A

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P/N
1309A1-I

EAN 4250184106623

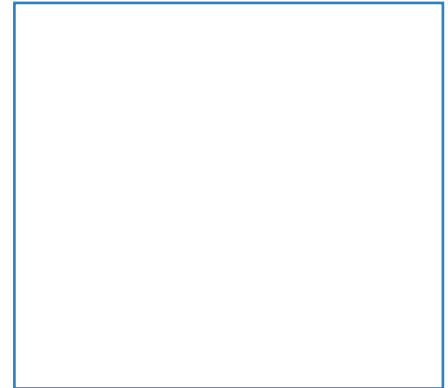
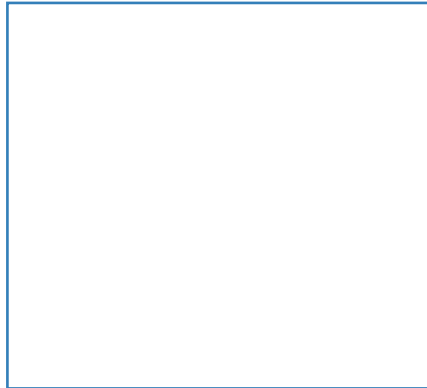
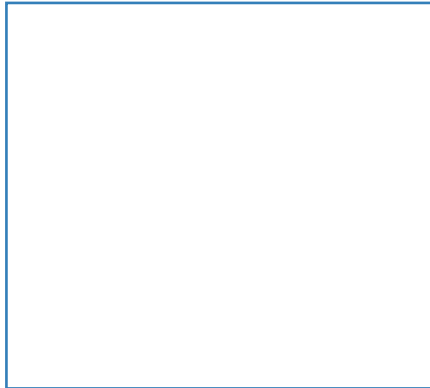
2020/11/02

Version: AI

Illustrations

Dimensional drawing

Cut-out



See enlarged drawings at the end of document

Product specification

- RJ45 cable coupler class E_A
- compliance with class E_A to ISO/IEC 11801, DIN EN 50173-1
- suitable for 10 GBit Ethernet (IEEE 802.3an), Remote Powering (PoE, PoE plus and UPoE) and HDBaseT
- fully shielded 90° coupler made of refined zinc die-casting
- especially suitable for consolidation points and cross-connect cabling
- 2 mounting versions in a coupler; fits in module or keystone applications

Suitable applications
for module design

- module wall outlets
- module face plates
- Modul REG IP20

- Industry built in flange EBM

for keystone design

- keystone face plates

- Industry built in flange EBK



Technical Data

General Data	
Design	coupler / adapter (FO)
Shielding	shielded
Transmission technology	Copper
Color	metallike
Dimensions	
Dimension (L x W x H)	33.2 mm x 14.7 mm x 33 mm
Dimension (L x W x H)	1.307 in. x 0.579 in. x 1.299 in.
Modularity	yes
Labeling option	on housing

Transmission characteristics	
Class (ISO/IEC)	E _A
Remote Powering	yes
PoE	IEEE 802.3af
PoE plus	IEEE 802.3at
UPoE	yes
HDBaseT	yes
Transmission rate up to 10 GBit	IEEE 802.3an

Connections/interfaces	
Connector technology interface 1	RJ45-jack
Connector technology interface 2	RJ45-jack
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/8C
Number of positions/contacts interface 2	8P/8C

Electrical characteristics	
Current carrying capacity	max. 1 A
Rated voltage	max. 50 V
Contact resistance	max. 20 mOhm
Through resistance	max. 200 mOhm
Insulation resistance	min. 500 MOhm

Technical Data

Electrical characteristics

Dielectric strength conductor-conductor (secondary) min. 1000 V DC

Mechanical data

Mounting method snap-in function

Insertion and withdrawal force max. 20 N

Position/mounting of latch - standard installation position top

Materials and material properties

Material - Housing GD-Zn (zinc die-cast)

Material - Contact CuSn (tin bronze)

Material - Contact finish Ni + Au (nickel-gold)

Material - Finish Ni (nickel)

RoHS compliant

Environmental conditions

Temperature (min. - max.)

Temperature - Storage °C -40 °C - 70 °C

Temperature - Storage °F -40 °F - 158 °F

Temperature - Operating °C -40 °C - 70 °C

Temperature - Operating °F -40 °F - 158 °F

Rapid change of temperature -40°C / -40°F - +70°C / 158°F / 25 cycles t=30 min

Electromagnetic measurement E2

Approvals

CE compliant

UL listed (file no.) DUXR.E178484



The product meets the following standards

Generic cabling systems

General requirements ISO/IEC 11801-1 | DIN EN 50173-1

Office buildings ISO/IEC 11801-2 | DIN EN 50173-2

Industrial area ISO/IEC 11801-3 | DIN EN 50173-3

Living units ISO/IEC 11801-4 | DIN EN 50173-4

Technical Data

The product meets the following standards

Generic cabling systems	
Data centers	ISO/IEC 11801-5 DIN EN 50173-5
Distributed building services	ISO/IEC 11801-6 DIN EN 50173-6
Connectors for electronic equipment	
Free and fixed connectors	DIN EN 60603-7-5
Connectors for electronic equipment - Tests and measurements	
Test schedule for connectors	DIN-EN 60512-99-001

Classifications

ETIM 5.0	EC001134
ETIM 6.0	EC001134
ETIM 7.0	EC001134

Packing details

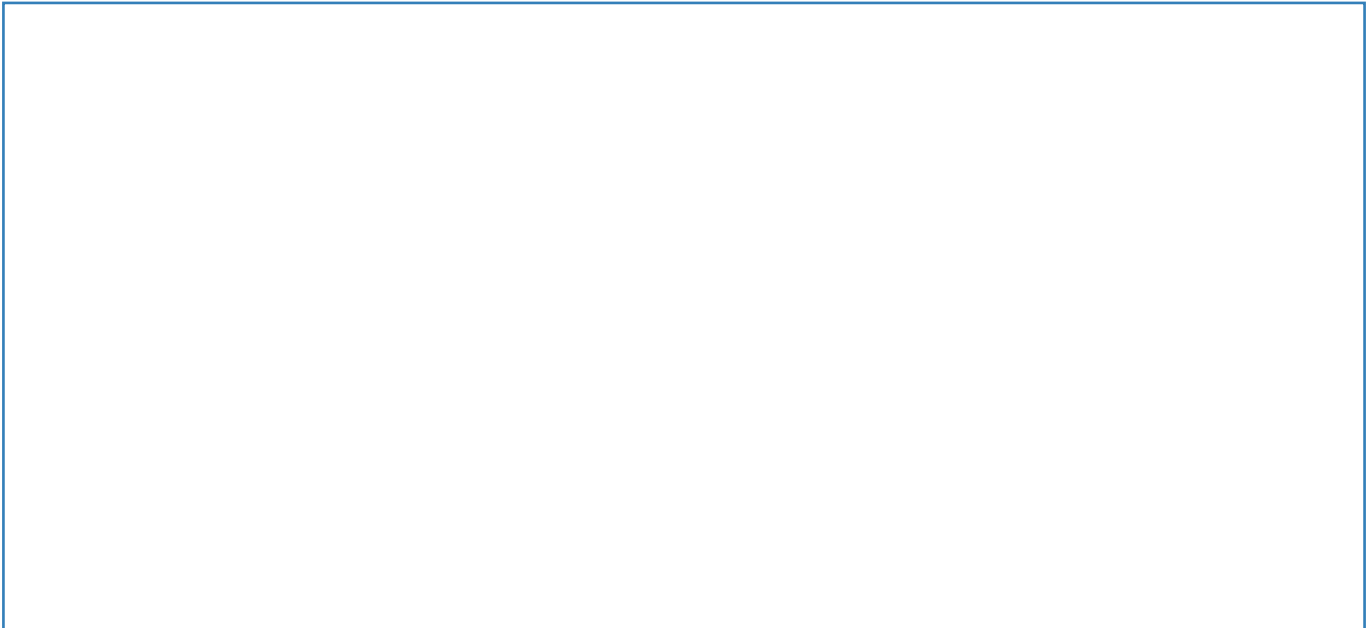
Type of packaging	10 pc(s) / box
Packaging unit - Weight (gram)	390 g
Packaging unit - Weight (pound)	0.86 lb
Packaging dimension	258 mm x 164 mm x 51 mm
Packaging dimension	10.157 in. x 6.457 in. x 2.008 in.

Zubehör von

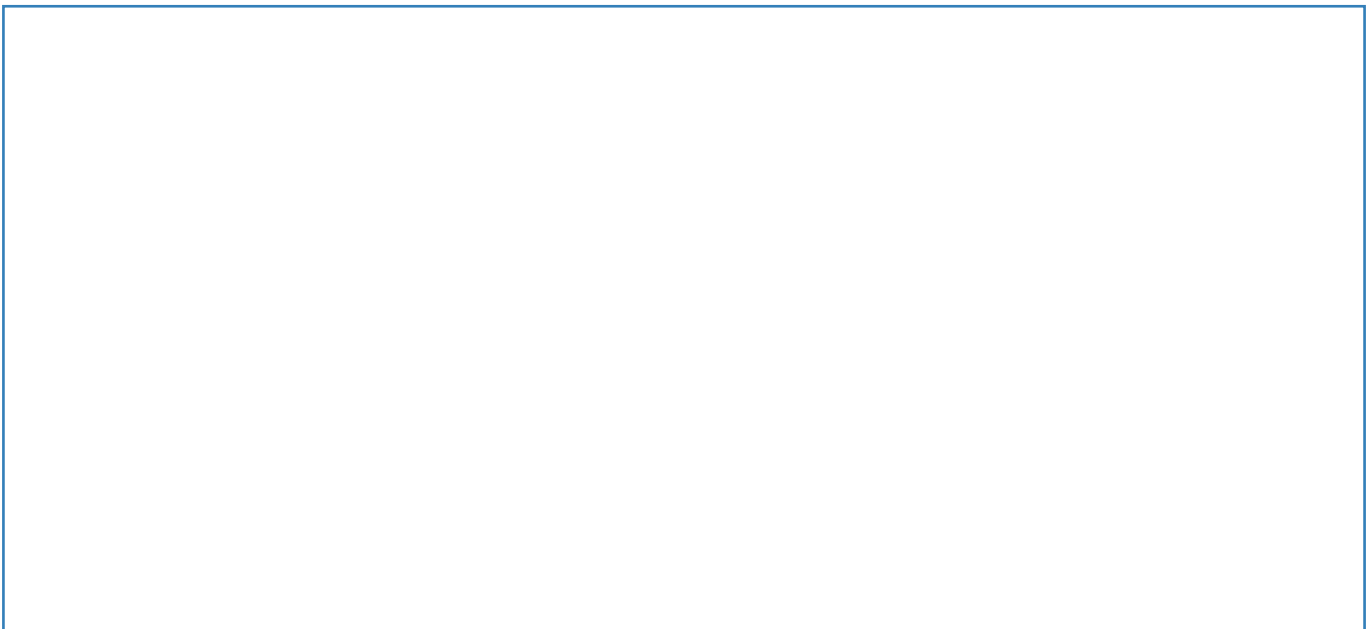
P/N	Designation
1309413003-E	E-DAT Industry IP67 V6 EbM
1309413103-E	E-DAT Industry IP67 V6 EbK
1309413203-E	E-DAT Industry IP67 V6 EbM with mounting kit
1309413303-E	E-DAT Industry IP67 V6 EbK with mounting kit
1309427103-E	Modul REGplus IP20 light gray unequipped

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