

Data sheet

OpDAT Industry 2LC MM plug insert

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P/N

1402800820-I

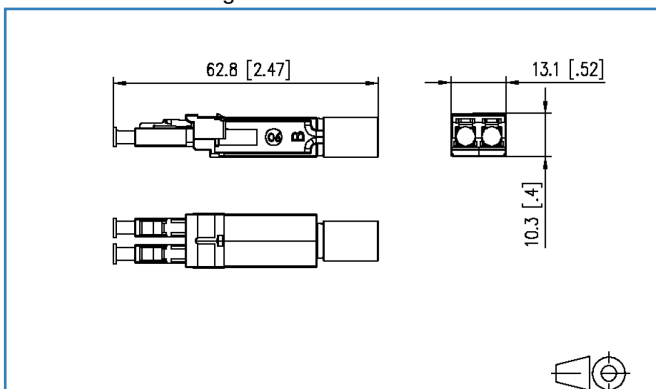
EAN 4250184114147

2017-30-05

Illustrations



Dimensional drawing



See enlarged drawings at the end of document

Product specification

- 2LC plug for mounting in IP67 plug housing of variants 1, 4 and 14
- compliance with EN 50173-1:2011-09 and ISO/IEC 24702 with regard to limit values for insertion and return loss
- convex pre-polished pin made of zirconium oxide ceramics
- flame-retardant and halogen-free plastic pin body
- nickel-plated zinc die-cast plug receptacle
- fiber fastened by means of adhering
- cable fastened by means of crimping to pin body and/or to plug receptacle for breakout and mini breakout cables
- min. scope for tension relief 100 N
- anti-bend sleeve made of flame-retardant, halogen-free elastomer
- Service life: min. 500 plug-in cycles
- operating temperature -40 °C to +70 °C
- variants: 2LC (SM), 2LC (MM)

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Technical Data

General Data

Design	Plugs
Transmission technology	Fiber optic
Color	beige
Dimensions	
Dimension (L x W x H)	62.80 x 13.20 x 10.30 mm
Dimension (L x W x H)	2.472 x 0.52 x 0.406 in.
Mode type of the fiber	Multimode
Convex preformed abutting face	yes
Labeling option	on housing

Connections/interfaces

Connector technology interface 1	Fast Cure
Connector technology interface 2	LC
Cable access/outlet	180°

Mechanical characteristics

Cut-out	SC, LC-D, E2000
Connector type	Duplex
Mounting method	snap-in function
Insertion and withdrawal force	max. 30 N
Life - Number of mating cycles	min. 500
Position/mounting of latch - standard installation position	top
strain relief	Crimp sleeve

Materials and material properties

Material - Housing	GD-Zn (zinc die-cast)
Material - Housing finish	Ni (nickel)
Material - Insulating body	plastics, flame retardant and halogen free
Material - Strain relief	Cu (copper)
Material - Cable boot	elastomer, flame-retardant and halogen free
Material - Sleeve	ceramic, slotted
Material - Supporting body	GD-Zn (zinc die-cast)
Material - Crimp sleeve	Cu (copper)
Material - Crimp sleeve finish	Ni (nickel)



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Materials and material properties

Material - Dust protection	Polypropylen
Material - Terminal insert	PBT 20%GF

Environmental conditions

Temperature (min. - max.)	
Temperature - Storage °C	-40 - 70 °C
Temperature - Storage °F	-40 - 158 °F
Temperature - Operating °C	-40 - 70 °C
Temperature - Operating °F	-40 - 158 °F
Vibration	50 ms-2 / 10 Hz - 500 Hz m/s ²
Shock	490 m-2 / 11 ms m/s ²

Approvals

RoHS	compliant
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The product meets the following standards

Generic cabling systems	
General requirements	DIN EN 50173-1:2011-09
Industrial area	ISO/IEC 24702 AMD 1 DIN EN 50173-3: 2011-09 TIA/EIA 1005

Classifications

ETIM 5.0	EC001122
ETIM 6.0	EC001122

Packing details

Type of packaging	10 pc(s) / box
Packaging unit - Weight (gram)	140.00 g
Packaging unit - Weight (pound)	0.31 lb
Packaging dimension (D x W x H)	89.00 x 250.00 x 105.00 mm
Packaging dimension (D x W x H)	3.504 x 9.843 x 4.134 in.



Illustrations

Dimensional drawing

