

Data sheet

Consolidation Point splice 6xLC-D OS2 (ceramic, blue), pigtailed placed

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P/N

1503097406-E

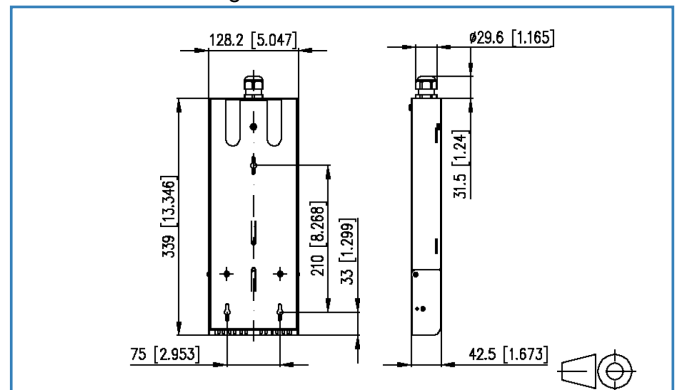
EAN 4251122198984

2018-26-02

Illustrations



Dimensional drawing



See enlarged drawings at the end of document

Product specification

- Consolidation Point splice equipped
- Equipped with LC-D adapters, pigtailed and splice tray with crimp splice protection holders
- To splice loose tube cables
- Wall-mount powder-coated steel-sheet housing, (white, RAL 9010)
- Patch area with swing-open and removable cover with label field
- Possibility for strain relief for patch cord
- Not used cutouts are closed by blind plugs
- Cable management area with separate cover
- Possible cable entry on the back side for one PG16 cable gland
- If necessary order extensions or reductions for the fixing of the VIKs as separate accessory
- Supplied with material for wall-mounting
- Variants: equipped with 6 LC-D adapters and pigtailed, all blue (OS2), lime green (OM5), violet (OM4), aqua (OM3) or 6 LC-D APC adapters and pigtailed, all green (OS2)



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Technical Data

General Data

Fields of application	Structured building cabling, Office
Transmission technology	Fiber optic
Color	blue
Dimensions	
Dimension (L x W x H)	128.20 x 29.60 x 339.00 mm
Dimension (L x W x H)	5.047 x 1.165 x 13.346 in.
Number of cables/ cores	12
Cable Type	pigtail(s)
Fiber class	OS2 (IEC 60793-2-50 B6_a, B6_b & ITU-T G.657.A, G.652.D)
Mode type of the fiber	Single mode
Fiber construction	9/125 µm
Labeling option	identification label

Connections/interfaces

Connector technology interface 1	LC-D Couplers
Connector technology interface 2	LC-D Couplers
Number of ports interface 1	6
Number of ports interface 2	6
Number of equipped ports interface 1	6
Number of ports interface 2 equipped	6
Number of ports with dust protection interface 1	6
Cable access/outlet	possibility for cable entry on the back

Optical characteristics

Insertion loss	max. 0.3 dB
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Mechanical characteristics

Connector type	Duplex
Life - Number of mating cycles	min. 1000
strain relief	yes



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Materials and material properties

Material - Housing	sheet steel
Material - Housing finish	powder-coated
Material - Sleeve	ceramic, slotted
Material - Coupler housing	Plastics

Environmental conditions

Temperature (min. - max.)	
Temperature - Storage °C	-20 - 60 °C
Temperature - Storage °F	-4 - 140 °F
Temperature - Operating °C	-20 - 60 °C
Temperature - Operating °F	-4 - 140 °F

Approvals

RoHS	compliant
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The product meets the following standards

Fibre optic connector interfaces	DIN EN 61754-20
Optical fibers: Indoor optical cables	
Sectional specification for class B single-mode fibres	ISO/IEC 60793-2-50 type B6_a/B6_b
Optical fibers - Interconnecting devices and passive components - basic test and measuring methods	
Fibre optic interconnecting devices and passive components	IEC 61300-3-4
Fibre optic interconnecting devices and passive components	IEC 61300-3-6
Fibre optic interconnecting devices and passive components	IEC 61300-3-35
Standard colours for insulation for low-frequency cables & wires	IEC 60304
ITU-T standard	ITU-T G.657.A compatible with ITU-T G.652.D

Packing details

Type of packaging	1 pc(s) / box
Packaging dimension (W x H x D)	470.00 x 200.00 x 60.00 mm
Packaging dimension (W x H x D)	18.504 x 7.874 x 2.362 in.



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Accessories

P/N	Designation
15090401-I	OpDAT crimp splice protection (150 pcs)
15090401-E	OpDAT crimp splice protection (12 pcs)
150811P1613-E	Thread reducer PG16 to PG13.5
150811P1611-E	Thread reducer PG16 to PG11
150811P1621-E	Thread enlarger PG16 to PG21



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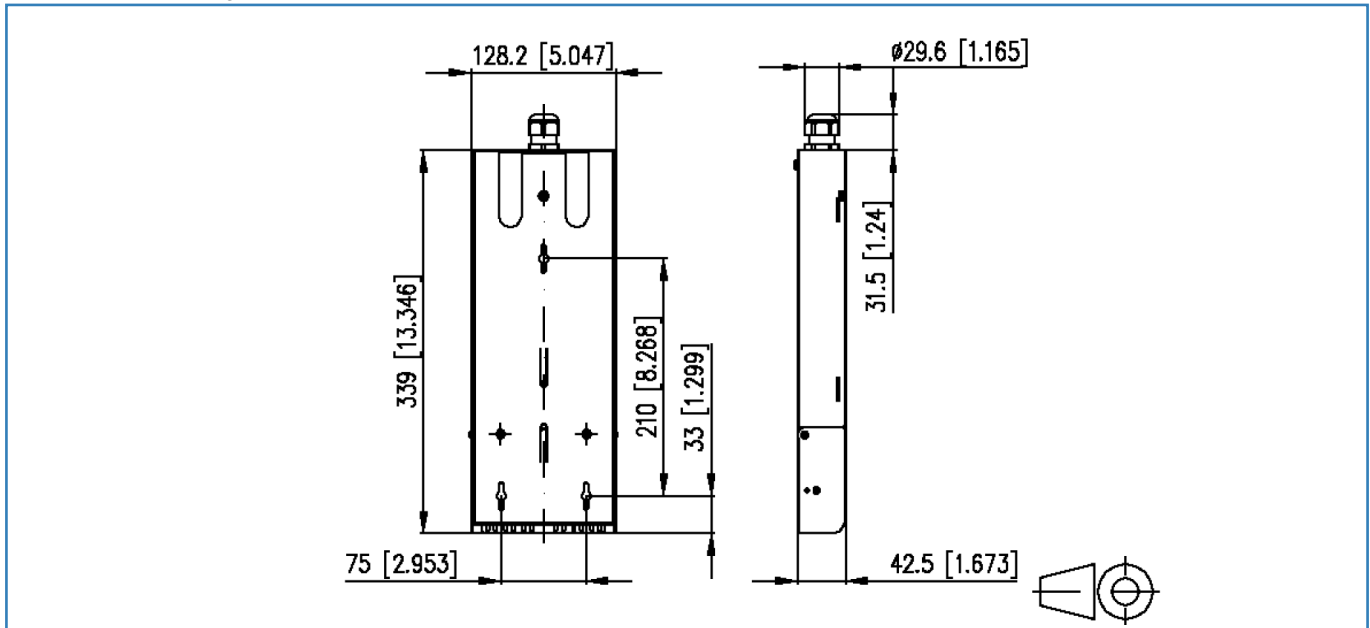
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Technical Data

General Data

Transmission technology	Fiber optic
Mode type of the fiber	Single mode
Fiber class	OS2 (IEC 60793-2-50 B.1.3, B6_b & ITU-T G.657.A2, G.657.B2, G.652.D)
Fiber construction	9/125 μm

Transmission characteristics

Chromatic dispersion coefficient	
Chromatic dispersion coefficient - In the interval 1285 nm - 1330 nm (max.)	max. 3.7 ps/km * nm
Chromatic dispersion coefficient - At 1550 nm (max.)	max. 18.5 ps/km * nm
Chromatic dispersion coefficient - At 1625 nm (max.)	max. 23.0 ps/km * nm
Dispersionsnulldurchgang, λ_{D0}	1300-1324 nm
Zero dispersion slope (max.)	0.092 ps/(nm ² * km)
Polarisation mode dispersion (PMD) coefficient, cabled (min.)	0.1
PMDQ Link Design Value (min.)	0.06 ps/vkm
Threshold wavelength (max.)	1260

Connections/interfaces

Connector technology interface 1	Free line end
Connector technology interface 2	Free line end
Core-/ Fiber cladding diameter	125.0 \pm 0.7 μm
Primary coating diameter - colored	242 \pm 7 μm

Optical characteristics

Attenuation of the fiber	
Attenuation of the fiber in the cable at 1310 nm	max. 0.38 dB/km
Attenuation of the fiber in the cable at 1383 nm	max. 0.38 dB/km
Attenuation of the fiber in the cable at 1550 nm	max. 0.23 dB/km
Attenuation of the fiber in the cable at 1625 nm	max. 0.25 dB/km

Mechanical characteristics

Proof stress level	min. 0.7 (~ 1 %) GPa
Strip force (peak)	1.2 \leq F _{peak.strip} \leq 8.9 N
10 turns on a mandrel R= 15 mm, @ 1550 nm	0.03 dB



Technical Data

Mechanical characteristics

10 turns on a mandrel R= 15 mm, @ 1625 nm	0.1 dB
1 turn on a mandrel R= 10 mm, @ 1550 nm	0.1 dB
1 turn on a mandrel R= 10 mm, @ 1625 nm	0.2 dB
1 turn on a mandrel R= 7.5 mm, @ 1550 nm	0.5 dB
1 turn on a mandrel R= 7.5 mm, @ 1625 nm	1.0 dB
Fiber cladding non-circularity	max. 0.7 %
Core (MDF)-cladding concentricity error	max. 0.5 µm
Primary coating concentricity error	max. 5 %
Primary coating-cladding concentricity error	max. 12
Inhomogeneity of OTDR measurement report at 1310 nm und 1550 nm	max. 0.1 dB/km
Group refractive index	
Group refractive index at 1310 nm	1.467
Group refractive index at 1550 nm and 1625 nm	1.468

The product meets the following standards

Generic cabling systems	
General requirements	ISO/IEC 11801 DIN EN 50173-1 : 2007 cat. OS2
Optical fibers: Measuring methods and test procedures	
Fibre geometry	ISO/IEC 60793-1-20
Coating geometry	ISO/IEC 60793-1-21
Length measurement	ISO/IEC 60793-1-22
Fibre proof test	ISO/IEC 60793-1-30
Coating strippability	ISO/IEC 60793-1-32
Attenuation	ISO/IEC 60793-1-40
Chromatic dispersion	ISO/IEC 60793-1-42
Threshold wavelength	ISO/IEC 60793-1-44
Mode field diameter	ISO/IEC 60793-1-45
Macrobending loss	ISO/IEC 60793-1-47
Polarization mode dispersion	ISO/IEC 60793-1-48
Optical fibers: Indoor optical cables	
Sectional specification for class B single-mode fibres	ISO/IEC 60793-2-50 type B6_a/B6_b



Technical Data

The product meets the following standards

Optical fibers: Outdoor optical fibre cables

Outdoor cables

ISO/IEC 60794-3

ITU-T standard

G.657.A2, G.652.B2, G.652.A, B, C, D

