

## Data sheet

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### Consolidation Point splice 6xLC-D APC OS2 (ceramic, green), pigtailed placed

P/N  
1503097606-E

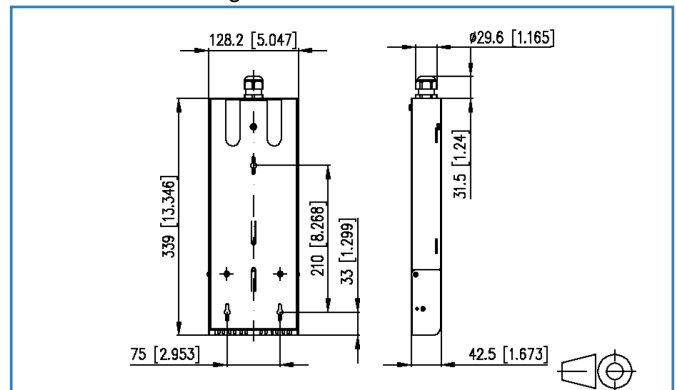
EAN 4251122198991

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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# Consolidation Point splice 6xLC-D APC OS2 (ceramic, green), pigtails placed

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## Technical Data

### General Data

Fields of application	Structured building cabling, Office
Transmission technology	Fiber optic
Color	green
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
Shape	APC (Angled Physical Contact)
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
Return loss	max. 65 dB

### 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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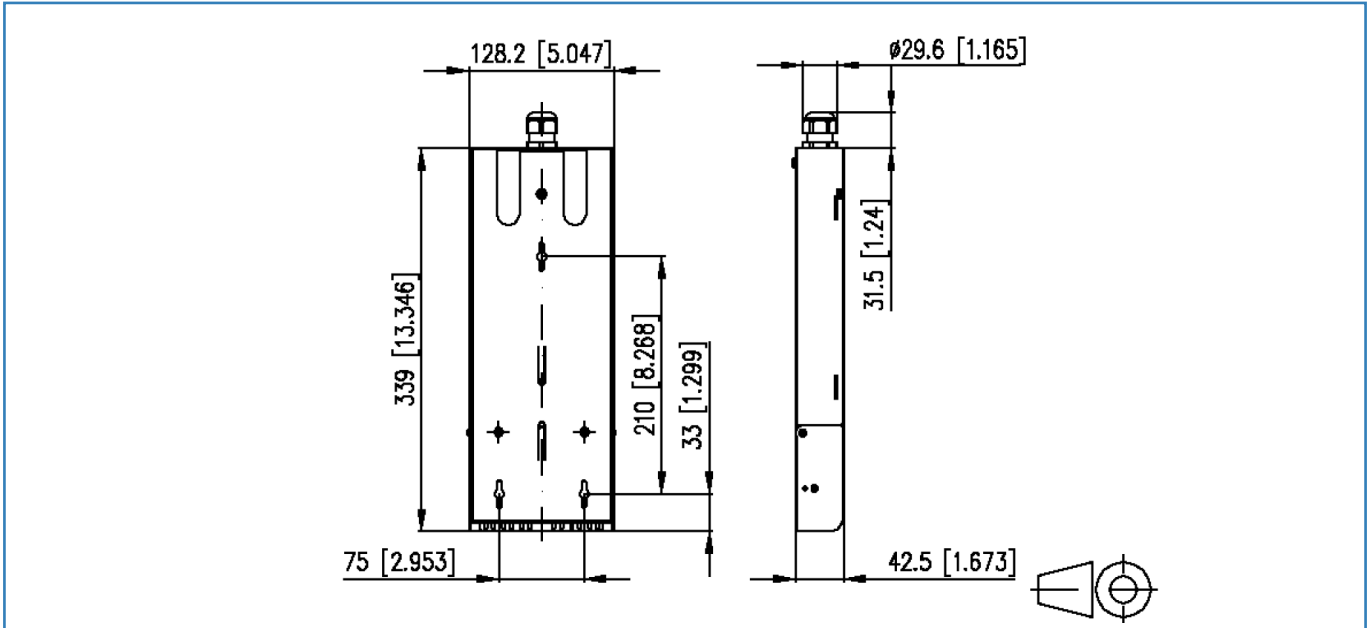
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**Illustrations**

Dimensional drawing



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P/N  
150XXX9

2018-26-02

### 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 $\mu\text{m}$

#### 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, $\lambda_{D0}$	1300-1324 nm
Zero dispersion slope (max.)	0.092 ps/(nm <sup>2</sup> * 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 $\mu\text{m}$
Primary coating diameter - colored	242 $\pm$ 7 $\mu\text{m}$

#### 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 <sub>peak.strip</sub> $\leq$ 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

