tBL® - DIN rail splice housing SM 6x SC Duplex OS2, splice ready prepared

\*\*tBL® - tde Basic Link (FO Enclosures)

The FO enclosures of the tBL® - tde Basic Link series are optimized products with a high functionality and an easy handling at the installation. The program includes splice and breakout boxes for 19 inch, wall and DIN rail mounting. These products are characterized by a high port density and an optimal fiber management, so that the permissible bending radii can't be undercut. Moreover, there are no sharp corners or edges, to avoid damage to the pigtails and buffer tubes. The front plates are removable. There are versions for E2000, FC, PC, LC, MPO / MTP, MTRJ, MU, SC, and ST. These products can be obtained with or without equipment. In addition, there are also special versions with IP66 for outdoor and offshore applications.

\*\*FO DIN rail splice module Premium

\*\*TECHNISCHE\_DATEN

|  |  |
| --- | --- |
| Pre-mounted | 6 SC duplex adapters SM 12 SC Fiber pigtails 9/125µ OS2 2.0 meters tde attenuation class B, 12 x Colors, splice ready prepared 12 Crimp Splice protectors 1 Splice cassette 1 Splice holder 1 Cabel entry vertical 1 Mounting clip (for mounting on rail housing) 1 Gland M20 for cable entry |
| Alternative pre-mounted | TBL-H06-xxSCD9Pyz (see below) |
| xx | (01 - 06) quantity of adapters |
| y | (S)plice ready prepared |
| z | With(O)ut Crimp Splice protectors |

\*\*\*FO DIN rail splice module

|  |  |
| --- | --- |
| Housing | Alu-sheet, 1 mm |
| Dimensions | 141.4 x 141 x 42.8 mm |
| Colour | powdered in RAL 9005 (black) |

\*\*\*FO DIN rail splice module

|  |  |
| --- | --- |
| Front panel | Alu-sheet |
|   | incl. labeling strip |
| Configuration | Attachment up to 6x SC Duplex, 6x LC Quad (6x LCD), 6x ST Duplex adapters |

\*\*\*FO Adapters

|  |  |
| --- | --- |
| Typ | SC Duplex |
| Application | Singlemode OS2 PC |
| Design | One-Piece with flange |
| Connector style | SC Duplex |
| Color | Blue |
| Material | Plastik |
| Sleeve | Zirconia Straight Split |
| Shutter | -- |
| Manufacturer | tde |

\*\*\*FO Connectors

|  |  |
| --- | --- |
| Connector Type | SC UPC Simplex |
| Housing | Plastic, Blue |
| Ferrule | Zirconia Straight Split, Spring-loaded Axially |
| Ferrule Hole | 125.5 µ |
| Ferrule Concentricity | ≤ 0.6 µ |
| Mating Cycles | 500 |
| Operating Temperature | -40°C up to +75°C |
| Strain Relief to | 150 N |
| Manufacturer | tde |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Fiber | Type | Wavelength | Insertion loss typ. | Insertion loss max. | Return loss min. |
| 9/125µ OS2 | SC UPC | 1550 nm | ≤ 0.10 dB | 0.25 dB | 55 dB |

\*\*\*FO Cables

|  |  |
| --- | --- |
| Tight Buffer | Low smoke (IEC 61034 and EN 50268) and free of halogens (LS0H) |
|   | Non corrosive after IEC 60754-2 and EN 50267 |
|   | Flame resistent after IEC 60332-3C and EN 50266-2-4 |
|   | Completly dry design |
|   | Free from metal, no grounding problems and potential differences |
|   | Tight Buffer for simple and direct connector mounting |

|  |  |
| --- | --- |
| Fiber Count | 1 (Tight Buffer) |
| Core-Ø | 0.9 mm |
| Coreweight | 1 kg/km |
| Min. Bending radius - Installation | 30 mm |
| Min. Bending radius - Operation | 30 mm |
| Removal | 1500 mm |
| Fire load | 0.15 MJ/m |
| Temperature range - Installation | -5 to +50°C |
| Temperature range - Operation | -20 to +60°C |
| Temperature range - Transport / Lagerung | -25 to +70°C |

\*\*\*FO Splice Accessories

|  |  |
| --- | --- |
| Type | splice cassette for DIN rail splice housing |
| Material | sheet steel |
| Colour | powdered in RAL 9005 (black) |
| Configuration | uo to 2x 12 splices |

\*\*\*FO Splice Accessories

|  |  |
| --- | --- |
| Type | FO Splice holder for 12 x Crimp splice protectors |
| Dimensions | 40 x 26 x 6 mm |
| Material | Bright ABS, similar RAL 1013 |

\*\*\*FO Splice Accessories

|  |  |
| --- | --- |
| Type | Crimp splice protector |
| Dimensions | 31 x 3 x 1 mm |

|  |  |
| --- | --- |
| Type | Cable tie |
| Dimensions | 75 x 2.5 mm |

|  |  |
| --- | --- |
| Type | Cable gland M20 |
| Color | light grey |

|  |  |
| --- | --- |
| Type | Locknut for cable gland M20 |
| Color | light grey |

\*\*\*FO DIN rail splice module

|  |  |
| --- | --- |
| Colour | Alu-zinc |

\*\*\*FO DIN rail splice module

|  |  |
| --- | --- |
| Colour | zinced |

\*\*\*FO DIN rail splice module

|  |  |
| --- | --- |
| Colour | Alu-zinc |
| Opening | for 1x M20 (PG13.5) |

\*\*\*FO DIN rail splice module

|  |  |
| --- | --- |
| Housing | Alu-sheet, 1 mm |
| Colour | powdered in RAL 7035 (grey) |
| Cable entry | over metric gland |
| Attachment | mounting clip |