

Product information

19" 1U UniRack2 12xE-2000™ G.652.D, APC, ceramic,
C/1, R&M *inteliPhy* ready

R821414
1 Pcs.



- Special mounting brackets for mounting the R&MinteliPhy Sensorbar.
- 19" 1U slide-in unit, splice tray plate with 2 splice trays radius 40 mm, fastening material, labeling strips and installation manual
 - Front panel equipped with adapters and pigtails

090.7661 / similar product

Technical Data

| DESCRIPTION [UNIT] | VALUE/VALUE RANGE |
|---------------------------|--|
| Standard | IEC 60297-3: 19-inch (482.6 mm) rack Adapter and connector in acc. with IEC 61754-15 and EN 186270 Pigtails in acc. with color code DIN VDE 0888 |
| Protection class IP | IP 20 |
| Protection class IP (A) | IP 20 |
| Number of connectors (A) | 12 |
| Assembly | partly populated |
| Fastening | 19 " |
| Rack mounting version | patch panel |
| Capacity (ports) | 24 |
| Amount of Height Units | 1 U |
| Version | splice |
| Connector type (A) | E-2000™ |
| Polishing plug (A) | APC 8° |
| Attenuation grade IL (A) | C |
| Return loss grade RL (A) | 1 |
| Connector color (A) | green |
| Lever- / frame-coding (A) | Color |
| Color (A1) | green |
| Color (A2) | green |
| Sleeve material | ceramic |
| Adapter fastening method | end cap |
| Fiber type | singlemode (SM) |
| Fiber class | G.652.D (OS1, OS2) |

| DESCRIPTION [UNIT] | VALUE/VALUE RANGE |
|--------------------|------------------------|
| Conductor type | semi-tight buffer, dry |
| Fiber diameter | E9 / 125 µm |

Mechanical Data

| DESCRIPTION [UNIT] | VALUE/VALUE RANGE |
|--------------------|-------------------|
| Width | 43.6 mm |
| Height | 482.6 mm |
| Depth | 225 mm |
| Color Code NCS | S 2502-B |

Splice and patch box, mounting depth 225 mm, continuously depth-adjustable up to 55 mm; rear cable feed, cable entry possible from three different angles. The box has two levels, the lower level serves as storage for spare loose tubes, tray fixation in the side structure is ensured; the upper level serves as storage for spare pigtailed (1.3 m of fiber stored in the splice tray). Guaranteed bending radius ≥ 40 mm, fitted ready for splicing with pigtailed and adapters, inserted and tested, two splice trays with radius 40 mm, box continuously extendable up to 210 mm, at full extension it can be inclined 10° forwards. Optimum access to loose tubes, adapters and pigtailed, the tray can be fully detached from the box by release lever. Special mounting brackets for mounting the R&MinteliPhy Sensorbar. Includes indelible laser trademark, fastening material, labeling strips and installation instructions.

Features:

- Dimensions: 43.6 x 482.6 x 225 mm
- Material: box, powder-coated sheet steel / front panel, plastic PC, fiber-glass reinforced
- Color: medium gray (NCS 2502-B, approximating RAL 7035)

E-2000™ adapter (LSH) singlemode, simplex adapter in acc. with IEC 61754-15 and EN 186270. Adapter body plus flange and two integral hexagonal nuts M2. Zirconia (ceramic) alignment sleeve, green housing (singlemode), white coding frame, material PBT / UL 94 V-0, integral self-closing plastic laser protection flaps, semi-transparent plastic dust cover, allowing optical testing with test lasers without removing the cover. The adapter is qualified in accordance with IEC 61753-1 for category U (uncontrolled environment).

Optical specifications:

- Delta insertion loss: ≤ 0.2 dB, testing method acc. to IEC 61300-3-4

Mechanical specifications:

- Mating cycles: min. 1000
- Pull-out force: min. 70 N

Pigtail with semi-tight buffer PA/PBT, \varnothing 0.9 mm, color in acc. with color code DIN/VDE 0888, singlemode G652.D 9/125 µm (OS1, OS2), length 2.5 m. Fitted with E-2000™ (LSH) connector in acc. with IEC 61754-15 and EN 186270. Zirconia (ceramic) ferrule with an angled polish APC 8° endface geometry, connector tuned in accordance with IEC 61755-3-2 and qualified in acc. with IEC 61753-1 for category U (uncontrolled environment) and category E (extreme environment), green connector housing (singlemode) and white lever, material PBT / UL 94 V-0, green strain relief, material TPE / UL 94 V-0 and silver-colored metal dust shutter.

Optical specifications (random mated):

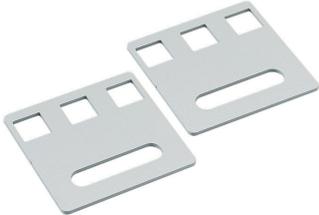
Performance in acc. with IEC 61753-1 (Table A.12):

- Insertion loss (IL) Grade C for 97% of the tested specimen: ≤ 0.50 dB / typical ≤ 0.25 dB
- Return loss (RL) Grade 1: ≥ 60 dB (typical ≥ 80 dB)

Mechanical specifications:

- Mating cycles: delta IL < 0.2 dB after 1000 mating cycles
- Pull-out force fiber pigtail: ≥ 5 N

| | Description | PU | Product No. |
|---|---|---------|-------------|
|  | With the subsequent mountable 90° boot existing or new networks can be updated. The 90° boot guarantees an optimised fiber guidance ($R > 30$ mm), even by load caused by the cable. An uncontrolled fiber bending and resulting attenuation or even broken fiber can be avoided in no time. | 12 Pcs. | R505756 |

| | Description | PU | Product No. |
|---|---|---------|-------------|
|  | The patching ring protects the admissible bending radius of the fiber glass cable. Mounted at the front of the 19" profiles. Material: 1.5 mm sheet steel, powder-coated. | 1 Pcs. | R302004 |
|  | The patching ring protects the admissible bending radius of the fiber glass cable. Mounted at the front of the 19" profiles. Material: 1.5 mm sheet steel, powder-coated. | 1 Pcs. | R302005 |
|  | The patching ring protects the admissible bending radius of the fiber glass cable. Mounted at the front of the 19" profiles. Color: powder-coated, medium gray, NCS 2502-B. Material: 1.5 mm sheet steel. | 1 Pcs. | R304440 |
|  | With these adapters, 19" components can be fitted into metric profile rails (535 mm). Color: powder-coated, medium gray, NCS 2502-B. Material: 1.5 mm sheet steel. | 1 Pcs. | R305148 |
|  | This rear cable guide is an additional support for FO cables or flex hoses (not for use with Fibereasy Rack). Material: 1.5 mm aluminum. | 1 Pcs. | R302058 |
|  | The rear cable entry is an additional relief on the FO cable (not for use with Fibereasy Rack). Material: 2.0 mm aluminum. | 1 Pcs. | R302006 |
|  | Suitable for splice trays radius 30/35/40 mm. Max. capacity: 12 ANT splice protections. Color: black. Material: plastic (PA66). Dimensions: 40x5x35 mm (WxHxD). | 10 Pcs. | R30255 |

| | Description | PU | Product No. |
|---|---|---------|-------------|
|  | Suitable for splice trays radius 30/35/40 mm. Max. capacity: 6 heat shrink splice protection. Color: black. Material: plastic (POM). Dimensions: 27x5x37 mm (WxHxD). | 10 Pcs. | R30039-06 |
|  | Suitable for splice trays radius 30/35/40 mm. Max. capacity: 12 (2x6) heat shrink splice protection. Color: black. Material: plastic (POM). Dimensions: 34x6.2x32 mm (WxHxD). | 10 Pcs. | R320246 |
|  | Capacity of max. 6 3M Fiberlok™ splice protections. Suitable for splice trays radius 30/35/40 mm. Material: plastic (PA66). Color: black. Dimensions: 44x5x37 mm (WxHxD). | 1 Pcs. | R30042 |
|  | Sandwich splice protector for single fibers up to 250µm to improve the strenght and enviromental protection of fusion splice. | 15 Pcs. | R30086 |
|  | Fusion splice protector sleeve for single fibers to improve the strenght and enviromental protection of fusion splice. | 12 Pcs. | R30087 |
|  | Fusion splice protector sleeve for single fibers to improve the strenght and enviromental protection of fusion splice. | 12 Pcs. | R30087-35 |
|  | Mechanical FO splice connector for 250 to 900 µm. Color: black. Material: plastic. Dimensions: 3.8x8.4x28.1 mm (WxHxD). | 6 Pcs. | R30089 |

| | Description | PU | Product No. |
|---|--|--------|-------------|
|  | | 1 Pcs. | R319903 |
|  | For the protected guiding of up to 4 (NW 10 mm) or 10 (NW 17 mm) loose tubes in 1U/2U versions. Material: PA 6, halogen-free. | 1 Pcs. | R30892 |