

## ODF 1.5U, Cable Installation – NCD 513 02+

### Optical Distribution Frame



This unit is intended for termination of field installed optical fiber cables to the ODF panel.

#### Features

- 1.5U for 19" or ETSI mount
- Small depth 250 mm (within ETSI)
- Up to 48 fibers (using 24 x SC duplex cut out slots)
- Front serviced
- Supports SC, FC, ST and LC adapters

#### Application

The 1.5 U high unit is used for small to medium number of terminations. The unit is typically used for sites where the incoming cable (up to 48 fibers) allows to be terminated directly in the ODF. The ODF supports a wide selection of connector and incoming cable options.

#### Design

The unit is suitable for the installation of pigtails or pre-connectorized cables. An installation kit with all the necessary holders for splice protection sleeves, strain relief holders, etc is available (not included).

A horizontal patch guide (0.5 U) to be mounted underneath the ODF is available as an optional accessory.

The termination unit comprises a chassis, a drawer with front panel, a combined cable entrance/strain relief, two angled mounting brackets and a cover. All done in a modular way for front serviced time saving installations and maintenance.

The mounting brackets fit the chassis in three different locations for various mounting depth.

By turning the brackets the unit will fit either 19" or ETSI rack. The brackets also permit wall mounting.

The optical performance of the ODF connections used in the Hexatronic systems is ensuring the right quality and stability over time.



## Specifications

### Entrances

The termination unit can be fitted with cable entrances for up to 4 cables with maximum outer diameter of 20 mm, two from each side, located at the rear

### Material

The termination unit is made of painted Aluzinc sheet steel. All products are in accordance with RoHS.

### Connector Performance SC/APC

Typical/Max attenuation..... $\leq 0.15\text{dB}/\leq 0.30\text{dB}$

Return Loss ..... $>60\text{dB}$

### Size, Weight and Color

Weight .....3.7 kg

Dimensions excl. brackets  
(HxWxD) .....66 x 440 x 249 mm

Color .....Coral white

## Ordering Information

### Basic versions

The different versions and configurations of the termination unit type NCD 513 02 & 03 are shown in the chart below. Adaptors are not included. "Blind plugs" are available to cover empty adapter slots in case of adaptation to lower numbers of connections.

PRODUCT NUMBER	CUT OUT TYPE	NO. OF SLOTS IN THE FRONT	MAXIMUM NO. OF FIBER CONNECTIONS
NCD 513 0211	SC-Duplex	12	24
NCD 513 0212	SC-Duplex	18	36
NCD 513 0213	SC-Duplex	24	48
NCD 513 0213/96LC	LC-Quadruplex	24	96
NCD 513 0303	ST or FC (D-shape)	24	24

\*SC-duplex fits in LC-quadruplex



## ODF 1.5U, Cable Installation – NCD 513 02+

### Accessories

	PRODUCT NUMBER	DENOMINATION / COMMENT
	NBL 323 01	Storage unit (H= 88 mm within 2U, 24 magazine x 1 row) For excess length of patches incl. horizontal patch guide
	02/NCD 513	Horizontal patch guide for termination unit (H=22mm, 0.5 U) 19" width (ETSI with included extension brackets)
	NTM 504 036	Horizontal patch guide mount below ODF (H=44mm, 1U) General purpose large capacity 19" width only
	LTT 179 001 1/LTT 179 001	Connector cleaner, UPC and APC 6 x Clean refill for LTT 179 001
	LFS 150 101  LFS 150 102	200 x Cleaning stick 2.5 mm (SC, FC, ST, E2000)  200 x Cleaning stick 1.25 mm (SFF-connectors LC, MU etc.)
	NTM 503 83	Installation kit (one per unit required) containing: <ul style="list-style-type: none"> <li>• Splice sleeve holders (2pcs)</li> <li>• Fiber tail guides</li> <li>• Installation Instruction</li> </ul>
	SVK 121 02	10 x Marking kit 1-48



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### Accessories

	PRODUCT NUMBER	DENOMINATION / COMMENT
 <p>Examples of adapter types</p>	RNT 992 11/13 RNT 992 11/23 RNT 992 15/13 RNT 992 22/15 RNT 992 22/16 RNT 992 90/1 RNT 992 01/1 RNT 992 01/2	Adaptor SC-duplex blue Adaptor SC / APC-duplex green Adaptor SC.duplex beige (MM) Adaptor LC-quadruplex blue Adaptor LC / APC-quadruplex green Adaptor ST Adaptor FC Adaptor FC/APC
	NDM 501 902 NDM 501 903	6 x Plugs for SCD slots 6 x Plugs for FC, ST slots
 <p>Example of pigtail type LC</p>	TSR3950423/2000 TSR3950426/2000 TSR3950414/2000 TSR3950433/2000	Standard grade (Singel Mode) Pigtail 0.9 mm SC, 2 m Pigtail 0.9 mm SC/APC, 2 m Pigtail 0.9 mm LC, 2 m Pigtail 0.9 mm LC/APC, 2 m  For optical performance, or Multimode options - see separate data sheeths
 <p>Example of Fan-out type 4xSC</p>	TSR 395 0623/2800 TSR 395 0626/2800 TSR 395 0614/2800 TSR 395 0633/2800	Standard grade (Singel Mode) Fan-out tail 4x SC, 2.8 m Fan-out tail 4x SC/APC, 2.8 m Fan-out tail 4x LC, 2.8 m Fan-out tail 4x LC/APC, 2.8 m  For optical performance, or Multimode options - see separate data sheeths
	NTA 162 12/72 NTA 162 12 /22 NTA 162 12/41	100 x Splice sleeve 1f, l=40mm 100 x Splice sleeve 1f, l=60mm 50 x Splice sleeve 2-8 f, l=40mm (ribbon)