Fiber Distribution Hub – 3/NBD 116 200

for Underground Applications

A Fiber Distribution Hub for underground installations in manholes with typically, up to 96 end-user connections terminated in the closure.

Features

- IP 68, Outdoor under ground

- Typically up to 96 connections for PON

- Typically up to 54 subscribers for P2P

- Handles both PON or P2P or a combination

- Up to 7 positions for incremental splitter module installation

- Hides the access point under ground with smallest possible visual impact.

- Easy access for incremental growth

- Handles both Air Blown Fibers, micro cables and traditional cables

- Mid-span capabilities on feeder side

Application

The main application for this FDH is fiber distribution in Passive Optical Networks (PON) where optical splitters are used, but it can also be used in a Point to Point (P2P) system as a cross connec-tion distribution point. Combinations of PON and P2P connec-tions are also feasible.

The FDH is designed for outdoor underground installation but can also be mounted above ground on poles or inside pedes-tals.

The closure can handle both Air Blown Fibers in microducts such as the Hexatronic Ribbonet® system, micro cables as well as traditional cables.

Design

This FDH is designed with the unique feature of splicing incoming fibers inside the closure in a splice tray system – both to the feeder and to the subscriber side. It also enables the opportunity to blow fiber units through microducts directly into the joint closure.

The FDH can fit into a manhole of the minimum size 900x600 mm and can be mounted on a swing-up arm to handle the incoming cables / ducts and to service the box conveniently above ground.

The closure is equipped with 5 splice trays and with 7 positions for splitter modules / parking panels. Splitter modules and pigtails/fan-outs are ordered separately.

28701-3/NBD116200 Uen Rev G
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Typical Data

Material

The FDH housing is made of strong plastic. Other metallic parts such as screws, microduct holders etc. are made of acid proof stainless steel. The seals and rubber parts are of EPDM. All materials are RoHS approved.

Entrances

All entrances are from the bottom of the closure for best serviceability. The feeder side has mid-span capabilities.

Weight, size and color

Weight .... 12 kg
Dimensions (HxWxD) ...... 865 x 280 x 290 mm
Color............................... Black

Conformances

Sealed according to IP 68
Tested according to IEC 61300*

Ordering Information

Fiber Distribution Hub Available in different versions with 96 pcs of fiber adapters attached

PRODUCT NUMBER	TYPE
3/NBD 116 200/1	FDH OD UG 96, Basic (empty)
3/NBD 116 200/2	FDH OD UG 96, prep SC/APC
3/NBD 116 200/3	FDH OD UG 96, prep SC
3/NBD 116 200/4	FDH OD UG 96, prep LC/APC
3/NBD 116 200/5	FDH OD UG 96, prep LC

Prep = prepared with mounted adapters

Accessories

PRODUCT NUMBER	TYPE
NSD 515 200	Swing-up arm
TSR3950426/2000	Pigtails SC/ APC, order qty =10 pcs
TSR3950433/2000	Pigtails LC/ APC, order qty =10 pcs
NTA 162 12/22	100 x Splice sleeve 1f, l=60mm
NTA 162 12/72	100 x Splice sleeve 1f, l=40mm
NTA 162 12/41	50 x Splice sleeve 2-8f, l=40mm
RNT 992 10/14	Simplex SC adapter with inner shutter
RNT 992 10/24	Simplex SC/APC adapter with inner shutter
RNT 992 22/14	Duplex LC adapter with inner shutter
RNT 992 22/12	Duplex LC/APC adapter with inner shutter

Splitter Modules

PRODUCT NUMBER	TYPE
RDJ 901200/81	1:2 splitter, SC/APC
RDJ 901200/82	1:2 splitter, SC
RDJ 901200/83	1:2 splitter, LC/APC
RDJ 901200/84	1:2 splitter, LC
RDJ 901200/5	1:8 splitter, SC/APC
RDJ 901200/6	1:8 splitter, SC
RDJ 901200/7	1:8 splitter, LC/APC
RDJ 901200/8	1:8 splitter, LC
RDJ 901200/13	1:16 splitter, SC/APC
RDJ 901200/14	1:16 splitter, SC
RDJ 901200/15	1:16 splitter, LC/APC
RDJ 901200/16	1:16 splitter, LC
RDJ 901200/21	1:24 splitter, SC/APC
RDJ 901200/22	1:24 splitter, SC
RDJ 901200/23	1:24 splitter, LC/APC
RDJ 901200/24	1:24 splitter, LC
RDJ 901200/29	1:32 splitter, SC/APC
RDJ 901200/30	1:32 splitter, SC
RDJ 901200/31	1:32 splitter, LC/APC
RDJ 901200/32	1:32 splitter, LC
RDJ 901200/37	1:64 splitter, SC/APC
RDJ 901200/38	1:64 splitter, SC
RDJ 901200/39	1:64 splitter, LC/APC
RDJ 901200/40	1:64 splitter, LC
RDJ 901200/89	2:2 splitter, SC/APC
RDJ 901200/90	2:2 splitter, SC
RDJ 901200/91	2:2 splitter, LC/APC
RDJ 901200/92	2:2 splitter, LC
RDJ 901200/49	2:8 splitter, SC/APC
RDJ 901200/50	2:8 splitter, SC
RDJ 901200/51	2:8 splitter, LC/APC
RDJ 901200/52	2:8 splitter, LC
RDJ 901200/57	2:16 splitter, SC/APC
RDJ 901200/58	2:16 splitter, SC
RDJ 901200/59	2:16 splitter, LC/APC
RDJ 901200/60	2:16 splitter, LC
RDJ 901200/65	2:32 splitter, SC/APC
RDJ 901200/66	2:32 splitter, SC
RDJ 901200/67	2:32 splitter, LC/APC
RDJ 901200/68	2:32 splitter, LC
RDJ 901200/73	2:64 splitter, SC/APC
RDJ 901200/74	2:64 splitter, SC
RDJ 901200/75	2:64 splitter, LC/APC
RDJ 901200/76	2:64 splitter, LC