



TECHNICAL DATASHEET

FDM 1,2,3 - FO



DESCRIPTION

The Closure type FDM 3 FO Microduct, Mini or Micro has been designed especially for the jointing of optical transmission and FTTH cables. Because of the pre installed mini or microduct entries, the closure is suitable for mini or microduct based CATV or FTTH networks. The closure is suitable for underground-, duct-, wall- and pole mounting. FDM 3 FO Mini or Micro consists of a base plate with preinstalled microduct entries and the cassette-bracket, a closure body and needed accessories. Maximum 9 cassettes with 2 x 12 splice holders each can be mounted. Below the cassettes, there is storage space for reserves. Cable entries through 4 x 8-17 mm and 6 x 6,8 mm (Mini) or 8 x 3,8 mm (Micro) ducts. The closed spare entry is optional for uncutted cables from Ø 2x 8 – 25 mm (shrink). The microduct entries can be used for cables with Ø 6,8 mm. All duct entries are sealed with EPDM elements – usable for inline and branch-applications. Kevlar and central strength elements can be fixed on the holder plates mounted on the cassette-bracket. The Splices are protected with the closure dome, the sealing ring is on the base plate. The body will be fixed with NIRO screws. The Closure is reopen- and close-able without changing the sealing ring. The cassette bracket includes the possibility to store spare-lengths of fibers and the design of the cassettes guarantee the bending radius of fibers. Installation of FDM 3 FO MINI or MICRO do not need special tools and trainings (Installation skills of FO Applications necessary). Closure Body with valve upon request.

APPLICATIONS

The Closure type FDM 3 FO Microduct, Mini or Micro has been designed especially for the jointing of optical transmission and FTTH cables. Because of the pre installed mini or microduct entries, the closure is suitable for mini or microduct based CATV or FTTH networks. The closure is suitable for underground-, duct-, wall- and pole mounting.

ABSOLUTE SEAL (IP 68) - REOPENABLE - UV-RESISTENT
EASY - FAST - RELIABLE – AFFORDABLE



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FRIEDL CAN CLOSURE

TECHNICAL DATA

FDM 1-FO

FDM 2-FO

Material Polypropylen	Casing	Casing, 2 fiberoptic carrier
Spliceholder, 2x12 shrink or crimp	2x12 shrink or crimp	4x12 shrink or crimp
Thermoplast. Elastomer	Rubber	
Gland: Connect: 2x M16(FDM1-FO), M20 or M25 Branch: 2x M16 and 1x M16, M20 or M25	Case PA, IP 68 Case PA, IP 68	
Tension strength	55 N Entry	
Temperature range	-30° / +65° C	-30° / +80° C
Cable: Diameter Bolting force		
M16(FDM1-FO) 4,5 - 9 mm 3,5 Nm		
M20 7 - 14 mm 5,0 Nm		
M25 11- 17 mm (ca.) 8,5 Nm		
Impact-steel-ball, 1 m	No leak	no leak, 0,6 bar, 1kg/1m
Maximal length fibre	180 mm	180 mm
Bending – fibre	36 mm	36 mm
Complete length closure	335 mm	360 mm
Diameter closure	72 mm	101 mm
Expertise-Degree of protection	VA EE 32767	VA EE 35298B
Registration	IP 68, ÖVE/ÖNORM, EN 60529	IP 68, EN 60529, ISO 9001, CE
Packaging Unit	10 pcs./Carton	6 pcs./Carton



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Length	330 mm
Diameter	170 mm
Capacity - Cases	max. 9 Splice cases IEC60-793-1
Cable entries	2 uncut cables ø 8 - 25 mm 4 cables ø 8 - 17 mm
Splice cases	alternative 2x12 crimp or 2x12 shrink
Tested acc. to	VAEE 36221 – FDM 3 CE
Temperature change	-40° C to + 70° C, 10 times
Storage in wetting agent	168 hours (Netwet)
External pressure resistants	6 m water column
Water vapour permeation	<240 µg/h at 10° C

Approved by the Austrian Electrotechnology Institute OEVE/VDE (IM 22, IP 68) Used by the Austrian Telecom and many countries. EU-Norm IEC 60670-22.