

## FRIEDL FDM 3 FO Closure

## Microduct Version



Type	Description	Art. Nr.
FDM 3 FO Mini FDM 3 FO Micro	4x 8-17 mm + 6x6,8 mm (Mini) or 8x3,8 mm (Micro) with ~0,5m installed max 9 cassettes, Acc. 2x12 spliceholders (crimp- or shrink splice protection) uncutted cable 2x 8-25 mm	FDM 3 FO Mini FDM 3 FO Micro

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<p><b>Application:</b> 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.</p> <p><b>Design:</b> <b>FDM 3 FO Mini or Micro</b> consists of a base plate with pre installed 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.</p> <p>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.</p> <p><b>Materials:</b> The base plate and the dome are made of environmentally friendly, UV-resistant polypropylene characterised by high mechanical strength and low water vapour permeation. The microduct pipes are made of high quality HD-PE. The cassette-bracket is made of steel plate and all screws are NIRO – A2. The cable entries are made of PE.</p>	<table border="1"> <tr> <td><b>Capacity - Cases</b></td> <td>max. 9 Splice trays IEC60-793-1</td> </tr> <tr> <td><b>Cable entries</b></td> <td>4 microducts ø 8-17 mm 6x 6,8 mm (Mini) or 8x 3,8 mm Micro 2 entries ø 8 - 25 mm (shrink) uncutted</td> </tr> <tr> <td><b>Splice tray cap.</b></td> <td>alternative 2x12 crimp or 2x12 shrink</td> </tr> <tr> <td><b>Tested acc. to</b></td> <td>VAEE 35298 FDM 3 FO-Mini FDM 3-FO-Micro CE</td> </tr> <tr> <td><b>Temperature change</b></td> <td>-40° C to + 70° C, 10 times</td> </tr> <tr> <td><b>Storage in water</b></td> <td>24 hours (Netwet)</td> </tr> <tr> <td><b>External pressure resistants</b></td> <td>IP 68</td> </tr> <tr> <td><b>Water vapour permeation</b></td> <td>&lt;240 µg/h at 10° C</td> </tr> </table>	<b>Capacity - Cases</b>	max. 9 Splice trays IEC60-793-1	<b>Cable entries</b>	4 microducts ø 8-17 mm 6x 6,8 mm (Mini) or 8x 3,8 mm Micro 2 entries ø 8 - 25 mm (shrink) uncutted	<b>Splice tray cap.</b>	alternative 2x12 crimp or 2x12 shrink	<b>Tested acc. to</b>	VAEE 35298 FDM 3 FO-Mini FDM 3-FO-Micro CE	<b>Temperature change</b>	-40° C to + 70° C, 10 times	<b>Storage in water</b>	24 hours (Netwet)	<b>External pressure resistants</b>	IP 68	<b>Water vapour permeation</b>	<240 µg/h at 10° C
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