



# 3M™ BPEO S2 EVOLUTION With 28 TRAY ORGANISER



**Waterproof splice protection  
BPEO Evolution Size 2**

BPEO Evolution is the new generation of fibre cable splice protection closures for transport, distribution and FTTH applications.

The product range is designed to the high standard of original BPEO closures, with the ECAM mechanical cable entry sealing and with a new generation of organisers and trays called "BPEO Evolution"

Evolution organisers and trays were developed to permit single circuit management and to allow integration of PLC splitters and other passive components into the closure.

#### **BPEO closure size 2**

Type : Cable Distribution Point ( CDP )  
End Distribution Point (EDP),  
Branch Distribution Point ( BDP)

Density : 336 fusion splices  
Or 168 mechanical splices  
Or 14 splitters 1X8

#### **Composition**

The closures are delivered with an organiser with 28 slots for splice trays.

The splice trays, cable entry sealings and closure fixing supports must be ordered separately.

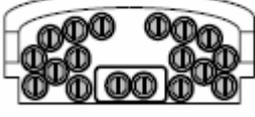
## **Features**

- Unique latching mechanism for closure sealing and re-entry
- Mechanical cable entries are ECAM type
- Organiser with 3 management zones
- Storage of tubes, modules or fibres in the bottom part of the organiser
- Organiser with 28 slots for pivoting trays
- Fibre guides at the side of the organiser
- All entry ports are supplied with dummy plugs
- Pressure relief valve for flash test

## **Benefits**

- Simplified opening and closing
- No flame or resin in cable entry preparation
- ECAM installation is external to the closure
- Structured storage and protection of fibre
- Trays to store 250 µm fibres
- Possible to mix tray types on the same organiser
- Excellent fibre accessibility
- Closure sealing is assured

# Specification

General product features		Specifications																					
<b>Cable Entry Configurations</b> - <b>CDP Cable Distribution Point</b> 		<b>Sealing</b> 80 milibar continuous 500 milibar flash test ( IP68 ) <b>Impact test</b> Resistant to 20 Joules ( IK 10)																					
- <b>EDP End Distribution Point</b> 																							
- <b>BDP Branch Distribution Point</b> 																							
-Double cable seal for ECAM slot D5-27 or 2 single S5-18 -Single cable seal ECAM S5-18 -Double cable seal for ECAM slot D5-20 or 2 single S4-12 -Single cable seal ECAM S4-12 		<b>Pull Force</b> Test at 1000 N on cable																					
		<b>Dimensions</b> with or without fixing supports ( in mm )																					
		<table border="1"> <thead> <tr> <th>Support</th> <th>Length</th> <th>Width</th> <th>Depth</th> </tr> </thead> <tbody> <tr> <td>Without</td> <td>520</td> <td>341</td> <td>149</td> </tr> <tr> <td>Wall</td> <td></td> <td></td> <td>154</td> </tr> <tr> <td>Wall/Pole</td> <td></td> <td></td> <td>178</td> </tr> <tr> <td>Sewer</td> <td></td> <td></td> <td>149</td> </tr> </tbody> </table>	Support	Length	Width	Depth	Without	520	341	149	Wall			154	Wall/Pole			178	Sewer			149	
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Wall			154																				
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		<b>Colour</b> Black																					
		<b>Material</b> Thermoplastic																					

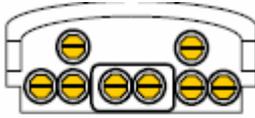
## Ordering information

## Ref. No.

### Closures

All the closures kits, size 1, 2 and 3, have the same composition:

- Body and cover with valve for sealing test
- Fitted tray organiser
- Storage area for microstructures
- All entry ports supplied plugged
- Instructions and installation templates included
- Fixing supports and trays must be ordered separately



**Cable Distribution Point BPEO S2-EVOL CDP 28 Slot**  
Size 2, 28 slot organiser

**N501491A**

501491



**Secondary Distribution Point BPEO S2-EVOL CDP 28 Slot**  
Size 2, 28 slot organiser

**N501492A**

501492



**Distribution Point BPEO S2-EVOL BDP 28 Slot**  
Size 2, 28 slot organiser

**N501493A**

501493

### Trays

- The splice trays are selected according to
- the type of splice (fusion or mechanical)
  - the requirement for mounting splitters
  - the fibre splicing capacity

5mm thick tray requires 1 organiser slot  
10mm thick tray requires 2 organiser slots



**BPEO-K7-1SLOT-12 fusion**  
Compatible with fusion splice protectors 45 or 60 mm long  
Splice tray is supplied with a cover

**N541106A**

541106



**BPEO-K7-2SLOT-12 fusion and PLC splitter**  
Compatible with fusion splice protectors 45 or 60 mm long  
Can accommodate 70x10x6 mm PLC splitter  
Splice tray is supplied with a cover

**N541104A**

541104



**BPEO-K7-1SLOT-6 Fibrlok 4x4**  
Compatible with mechanical splices Fibrlok 4x4 ref. 2540G  
Splice tray is supplied with a cover

**N541103A**

541103



**BPEO-K7-2SLOT-12 Fibrlok 4x4**  
Compatible with mechanical splices Fibrlok 4x4 ref. 2540G  
Splice tray is supplied with a cover

**N541108A**

541108



**BPEO-K7-2SLOT-10 Fibrlok with Splitter**  
Can accommodate 70x10x6 mm PLC splitter  
Splice holder for 10 Fibrlok 4x4 ref. 2540G  
Splice tray is supplied with a cover

**N541110A**

541110

## Cable Entry Kit

### Mechanical cable entry sealing kits for single ports or double ports (for uncut cable)

The kits are supplied complete with fixing wrench. The holder and anchors are supplied in the closure.



#### Double cable entry for uncut cables

##### ECAM PAS D5-20

Double entry cable sealing for cables from 5-20 mm diameter

**N721077A**

721077

##### ECAM PAS D5-27

Double entry cable sealing for cables from 5-27 mm diameter

**N721069A**

721069

#### Single cable entry sealing for straight-through splices or cable distribution

##### ECAM S4-12

Single entry cable sealing for cables from 4-12 mm diameter

**N721079A**

721079

##### ECAM S5-18

Single entry cable sealing for cables from 5-18 mm diameter

**N721059A**

721059

## Fixing Supports



#### Wall support for BPEO size 2 & 3

**N71541A**

711541

#### Pole/Wall support for BPEO size 2 & 3

**N711440A**

711440

#### Sewer Support for BPEO size 2 & 3

**N711546A**

711546

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#### Important Notice

Buyer and/or user of this 3M product has to make sure before using this product that it is suitable for the intended use. All questions of liability relating to this product are subject – in accordance with the prevailing law – to the Terms of Sale of the selling 3M subsidiary.

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**3M**

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