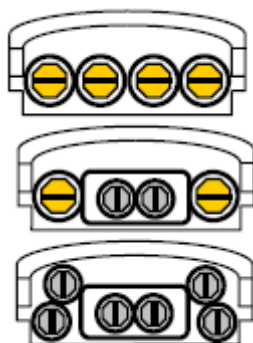


3M™ BPEO/-1 EVOLUTION 12 TRAY ORGANISER



**Waterproof splice protection
BPEO Evolution Size 1**



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

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

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

BPEO closure size 1

Density : 144 fusion splices
Or 72 mechanical splices
Or 12 splitters 1 by 8

Composition

The closures are delivered fitted with an organiser with 12 slots for splice trays.
The splice trays, cable entry sealings and closure supports must be ordered separately.

Type :

End Of Cable (EOC) = 4 single ports max. OD 18 mm

Cable Distribution Point (CDP) = 2 single ports max. OD 18 mm and 1 dual port max. OD 20 mm (or 2 single ports max. OD 12 mm)

End Distribution Point (EDP) = 4 single ports max. OD 12 mm and 1 dual port max. OD 20 mm (or 2 single ports max. OD 12 mm)

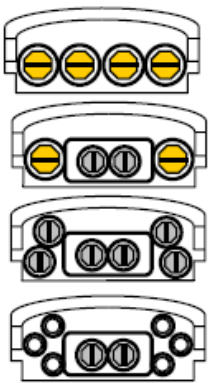
Technical Features


- 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 top of the organiser
- Organiser with 12 slots for pivoting trays
- Fibre guides at the side of the organiser
- All entry ports are supplied plugged.
- Pressure relief valve for test

Benefits

- Simplified opening and closing
- No flame or resin used 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 | | Specification | | | |
|---|---|--------------------------------|----------------------------------|--------------|--|
| <ul style="list-style-type: none">Cable Entry ConfigurationsEOC End Of CableCDP Cable Distribution PointEDP End Distribution PointFDP Fibre Distribution Point |  | Sealing | 80 millibar continuous | | |
| | | | 500 millibar flash test (IP68) | | |
| | | Impact test | Resistant to 20 Joules (IK 10) | | |
| | | Pull Force | Tested at 1000 N on cable | | |
| | | Dimensions (in mm) | with or without fixing supports | | |
| | Support | Length | Width | Depth | |
| | Without | 382 | 204 | 92 | |
| | Wall | | | 97 | |
| | Wall/Pole | | | 122 | |

| | | | |
|--|---|-----------------|---------------|
| Single cable sealing for ECAM D5-18 |  | Color | Black |
| Double cable sealing for ECAM D5-20 or 2 single cables S4-12 | | Material | Thermoplastic |
| Single cable sealing ECAM S4-12 | | | |
| Single cable sealing ECAM S4-8 | | | |

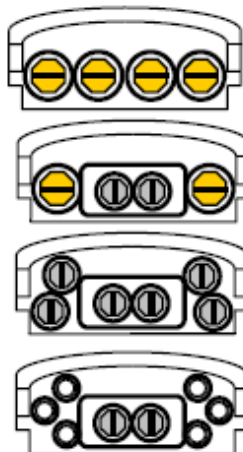
Ordering information

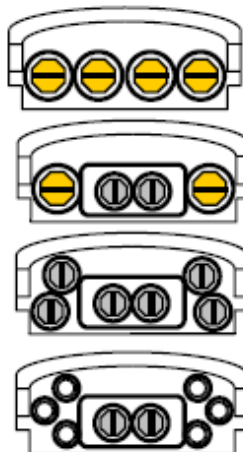
Ref. No.

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
- Supports and trays must be ordered separately



| | | | |
|---|---|-----------------|--------|
|  | Straight through joint BPEO/1 EVOL EOC 12 Slot Size 1, 12 slot organiser | N501487A | 501487 |
| | Cable Distribution Point BPEO/1-EVOL CDP 12 Slot Size 1, 12 slot organiser | N501488A | 501488 |
| | End Distribution Point BPEO/1-EVOL EDP 12 Slot Size 1 , 12 slot organiser | N501489A | 501489 |
| | Fibre Distribution Point BPEO/1-EVOL FDP 12 Slot Size 1 , 12 slot organiser 6 ECAM D4-8 are delivered with the kit | N501490A | 501490 |

Trays

- The splice trays are selected according to
- the type of splice (fusion or mechanical)
 - the requirement for mounting splitters
 - the density (number of splices required)

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



BPE/O-K7-1SLOT-12 fusion

Compatible with fusion splice protectors 45mm long
Splice tray is supplied with a cover

N541106A

541106



BPE/O-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



BPE/O-K7-1PAS-9 fusion with splitter

Compatible with fusion splice protectors 45mm long
Splice tray is supplied with a cover

N541113A

541113



BPE/O-K7-2SLOT-12 Fibrlok 4x4

Compatible with mechanical splices Fibrlok 4x4 ref. 2540G
Splice tray is supplied with a cover

N541108A

541108



BPE/O-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 D5-20 EVOL

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

N721130A

721130

Single cable entry for straight-through splices or cable distribution



ECAM S4-12 EVOL

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

N721126A

530128

ECAM S5-18 EVOL

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

N721127A

530129

Fixing Supports



Plastic Wall support for BPEO size 1

N711599A

711599



Metal Pole/Wall mount support for BPEO size 1

N711438A

711438

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