3M

3M™ BPEO S1 EVOLUTION With 12 TRAY ORGANISER

**Waterproof splice protection closure
BPEO Evolution Size 1**

BPEO Evolution is the new generation of fibre optic 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 splitters and other passive components into the closure.

BPEO closure size 1
Type   : End Of Cable (EOC) ,
                   Cable Distribution Point (CDP)
                   End Distribution Point (EDP),
                   Fibre Distribution Point (FDP)
Capacity   : up to 144 fusion splices
Or   up to 72 mechanical splices
Or   up to 6 splitters 1 by 8

Content
The closures are delivered with an organiser with 12 slots for splice trays.
The splice trays, cable entry sealings and closure supports must be ordered separately.
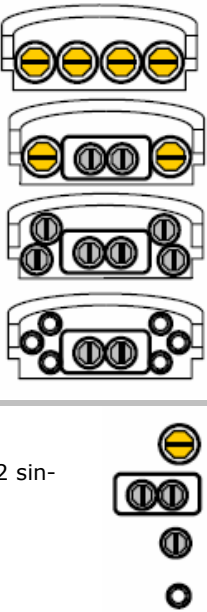
Features
- Unique latching mechanism for closure sealing and re-entry
- Mechanical cable entries are ECAM type
- Organiser with 3 management zones
- Storage of tubes, modules or fibres in the top of the organiser
- Organiser with 12 slots for pivoting trays
- Fibre guides at the side of the organiser
- All entry ports are supplied with dummy plugs
- Pressure relief valve for flash test.

Benefits
- Simplified opening and closing
- No flame or resin 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	
Cable Entry Configurations		**Sealing**	80 millibar continuous
			500 millibar flash test (IP68)
• **EOC End Of Cable**		**Impact test**	Resistant to 20 Joules (IK 10)
• **CDP Cable Distribution Point**			
• **EDP End Distribution Point**			
• **FDP Fibre Distribution Point**			
Single cable sealing for ECAM S5-18		**Pull Force**	Tested at 1000 N on cable
Double cable sealing for ECAM D5-20 or 2 single cables S4-12			
Single cable sealing ECAM S4-12			
Single cable sealing ECAM S4-8			

		Dimensions (in mm)	with or without fixing supports		

Support	Length	Width	Depth
Without	382	204	92
Wall			97
Wall/Pole			122

Colour	Black
Material	Thermoplastic

Ordering information

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
- Wall/pole fixing brackets and trays must be ordered separately

End of Cable BPEO S1-EVOL EOC 12 Slot Size 1, 12 slot organiser	**N501487A**	501487
Cable Distribution Point BPEO S1-EVOL CDP 12 Slot Size 1, 12 slot organiser	**N501488A**	501488
End Distribution Point BPEO S1-EVOL EDP 12 Slot Size 1 , 12 slot organiser	**N501489A**	501489
Fibre Distribution Point BPEO S1-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 splitters
- the total 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 D5-20
Double entry cable sealing
for cables from 5-20 mm diameter

N721077A   721077

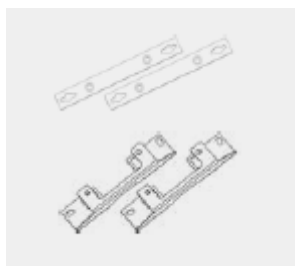**Single cable entry for straight-through splices or cable distribution**

N721079A   721079

ECAM S4-12
Single entry cable sealing
for cables from 4-12 mm diameter

ECAM S5-18
Single entry cable sealing
for cables from 5-18 mm diameter

N721059A   721059

Fixing Supports

Wall support for BPEO size 1   **N71540A**   711540

Pole/Wall mount support for BPEO size 1   **N711438A**   711438