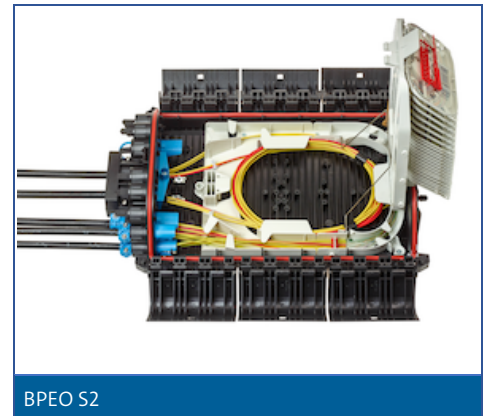


Fibre Closures BPEO S2 & S3

Fibre closures BPEO size 2 and size 3 are high-capacity closures designed for use within the trunk and feeder segments of a fibre network. Both closure sizes are perfectly suited for splitter or DWDM. They are watertight and can be pressurized for applications in all environments and mounting locations - buried, within a manhole, on the wall, or on a pole. The organiser in a BPEO S2 closure can accommodate up to 28 1-slot splice trays. It has a typical capacity of 336 fusion splices when using the standard-density 1-slot tray. This amount can double when using G.657 fibre with the high-density 1-slot tray. The BPEO S3 organiser contains 48 slot positions for splice trays (1-slot). It has a typical capacity of 576 fusion splices when using the standard-density 1-slot tray. This amount can double when using G.657 fibre with the high-density 1-slot tray.



BPEO S2

Specifications

- General sealing: IP68
- 5-meter water height, 7 days
- Impact test: 20 joules, IK10 (ambient)
- Volume S2: 17.3 liters
- Volume S3: 23.8 liters

Features and benefits

Applicable in a wide range of locations	Can be pressurised for applications in all environments and mounting locations – buried, within a manhole, on the wall, or on a pole.
IP68 design	Reliable and watertight, with an integrated valve for flash on-site testing
Tool-less opening and closing	Quick-and-easy installation
Integrated sealing gasket	Ensures water tightness and remains functional even after several open/close operations
ECAM Port	Modular with two configurations
Efficient use of space	Capacity of S2: 17.3 & S3: 23.8 liters
Tray organiser	<p>Enables management of:</p> <ul style="list-style-type: none"> - S2: up to 28 splice trays (5 mm). It has a typical capacity of 336 fusion splices when using the standard-density 5 mm tray. This amount can double when using G.657 fibre and the high-density 5 mm tray. - S3: contains 48 slot positions for splice trays (5 mm). It has a typical capacity of 576 fusion splices when using the standard density 5 mm tray. This amount can double when using G.657 fibre and the high-density 5 mm tray.

Dimensions overall: in (mm)

Size	Length	Width	Depth closure support	Depth with wall support	Depth with pole/wall support
BPEO S2	20.5 (520)	13.4 (341)	5.9 (149)	6.0 (154)	7.0 (178)
BPEO S3	26.0 (661)	13.4 (341)	5.9 (149)	6.0 (154)	7.0 (178)

Mid-span access


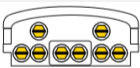
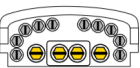
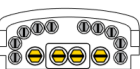
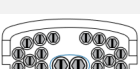

Mid-span entry (uncut)	Yes				
Tube storage	Closure model	BPEO-S2		BPEO-S3	
	Microstructure Loose tube 2.3 mm	Up to 576 fibres modulo 12 Up to 11 loose tubes		Up to 576 fibres modulo 12 Up to 23 loose tubes	

Capacity

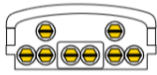
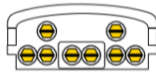
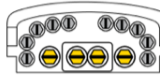
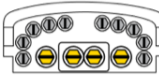
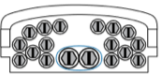
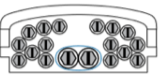
Capacity depends directly on the volume of stored/unused fibres/tubes.

Closure size	Maximum number of slots per organiser	Fusion splices in 2-slot tray, standard density for G652D and G657 fibre	Fusion splice 1-slot tray, standard density for G.652D and G657 fibre	Fusion splices 1-slot tray (high density for G.657 fibre)	Fibrlok® mechanical splice in 1-slot tray
BPEO Size 2	28	168	336	672	168
BPEO Size 3	48	288	576	1152	288

BPEO S2: ordering information

Port Configuration	Description	Delivery Unit	Reference	Part Number
	BPEO-S2-CDP Local convergence point for one express cable and six branch cables. Organiser holds up to 28 splice trays.	1	N501491A	FQ100068227
	BPEO-S3-CDP Local convergence point for one express cable and six branch cables. Organiser holds up to 48 splice trays.		N501494A	FQ100068250
	BPEO-S2-EDP End distribution point for up to one express cable and 12 branch cables. Organiser holds up to 28 splice trays.	1	N501492A	FQ100068235
	BPEO-S3-EDP End distribution point for up to one express cable and 12 branch cables. Organiser holds up to 48 splice trays.		N501495A	FQ100068268
	BPEO-S2-BDP Branch distribution point for up to one express cable and 16 branch cables. Organiser holds up to 28 splice trays.	1	N501852A	UU008274092
	BPEO-S3-BDP Branch distribution point for up to one express cable and 16 branch cables. Organiser holds up to 48 splice trays.		N501998A	N501998A

Selection table

	BPEO-S2 CDP	BPEO-S3 CDP	BPEO-S2 EDP	BPEO-S3 EDP	BPEO-S2 BDP	BPEO-S3 BDP
						
BPEO Size	S2	S3	S2	S3	S2	S3
Volume	< 20 L	< 30 L	< 20 L	< 30 L	< 20 L	< 30 L
Number and types of entry ports with max diameters in mm	1 Double Port D20 6 Single Ports S18	1 Double Port D20 6 Single Ports S18	1 Double Port D20 2 Single Ports S18 10 Single Ports S12	1 Double Port D20 2 Single Ports S18 10 Single Ports S12	1 Double Port D18 16 Single Ports S12	1 Double Port D18 16 Single Ports S12
Dual port can be used also	2 x S18	2 x S18	2 x S18	2 x S18	2 x S12	2 x S12
Cable entry for dual port	ECAM D27	ECAM D27	ECAM D27	ECAM D27	ECAM D18	ECAM D18
Cable range	5-27 mm	5-27 mm	5-27 mm	5-27 mm	6-18 mm	6-18 mm
Cable entry for port S12			ECAM S12	ECAM S12	ECAM S12	ECAM
Cable range selected			4-12 mm	4-12 mm	4-12 mm	4-12 mm
Cable entry for port S18	ECAM S18	ECAM S18	ECAM S18	ECAM S18		
Cable range selected	5-18 mm	5-18 mm	5-18 mm	5-18 mm		
Organiser capacity	28 slots	48 slots	28 slots	48 slots	28 slots	48 slots
Splice capacity requested Number and types of trays	336/672 28 trays x 12/24 splices	576/1152 48 trays x 12/24 splices	336/672 28 trays x 12/24 splices	576/1152 48 trays x 12/24 splices	336/672 28 trays x 12/24 splices	576 /1152 48 trays x 12/24 splices
Splitter capacity	56	96	56	96	56	96

Mounting brackets

Type	Description	Delivery Unit	Part Number	Application
	Wall/Pole Plastic Bracket for use with Fibre closures BPEO size 2 & size 3 N711600A	5	FQ100075917	Wall/Manhole Pole

Separate specification documents provide information on ECAMs and splice trays as well as compatible cables. A complete fibre closure catalogue is available [on our web site](#), with literature code CRR 917.

CORNING

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