# CORNING

Fibre Closures BPEO S2 & S3

Fibre closures BPEO size 2 and size 3 are high-capacity closures designed for use in 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 30 1-slot splice trays. It has a typical capacity of 360 fusion splices when using the standard 5 mm tray. This becomes 720 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 with the standard-density 1-slot tray. This amount can reach 1152 when using G.657 fibre with the high-density 1-slot tray.

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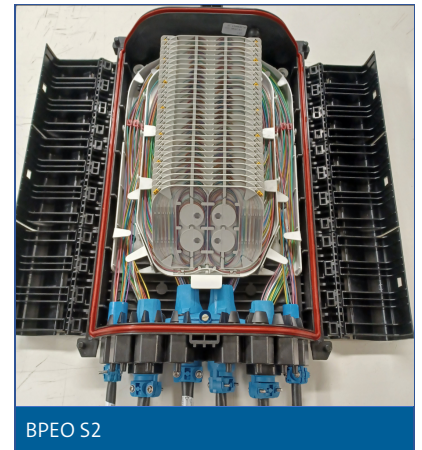
Specifications
General sealing: IP68
5-meter water height, 7 days
Impact test: 20 joules, IK10 (ambient)
Volume S2: 17.3 liters
Volume S3: 23.8 liters

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
Optimal density	High density of fber: 720 fibers in an optimal volume of 17.3 liter for the S2.
Tray organiser	Enables management of: - S2: 30 high density splice trays (5 mm). Capacity of 720 fusion splices with a High density one-slot cassette for 24 splices. - 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 reach 1152 when using G.657 fibre and the high-density 5 mm tray.

Dimensions overall: in (mm)

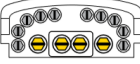| Size	Length	Width	Depth closure support	Depth with wall support	Depth with pole/wall support
BPEO S2	20.5 (520)	13.4 (341)	5.9 (149)	6.0 (154)	7.0 (178)
BPEO S3	26.0 (661)	13.4 (341)	5.9 (149)	6.0 (154)	7.0 (178)

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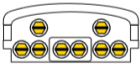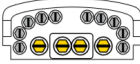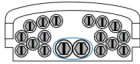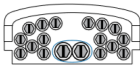
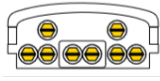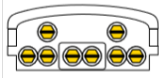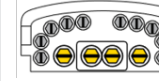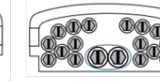| Mid-span entry (uncut)	Yes		
Tube storage	Closure model	BPEO-S2	BPEO-S3
	Microstructure Loose tube 2.3 mm	Up to 576 fibres modulo 12 Up to 11 loose tubes	Up to 576 fibres modulo 12 Up to 23 loose tubes

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

Closure size	Maximum number of slots per organiser	Fusion 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	30	360	720	180
BPEO Size 3	48	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 30 splice trays.	1	N502348A	B2-CDP-000-000-000-0000
	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 30 splice trays.	1	N502349A	B2-EDP-0000-000-000-0000
	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 30 splice trays.	1	N502347A	B2-BDP-0000-000-000-0000
	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
Cables entry for dual port	ECAM S27	ECAM S27	ECAM S27	ECAM S27	ECAM S18	ECAM S18
Cable range	5-27 mm	5-27 mm	5-27 mm	5-27 mm	6-18 mm	6-18 mm
Cables 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
Cables 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	30 slots	48 slots	30 slots	48 slots	30 slots	48 slots
Splice capacity requested Number and types of trays	360/720 30 trays x 12/24 splices	576/1152 48 trays x 12/24 splices	360/720 30 trays x 12/24 splices	576/1152 48 trays x 12/24 splices	360/720 30 trays x 12/24 splices	576/1152 48 trays x 12/24 splice
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.

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