

Communication Markets Division

3M™ BPEO S1 ECAM Connect

Above and Below Grade Closure for External Drop Hard Connectivity

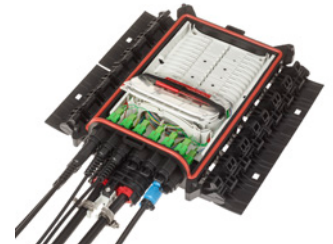
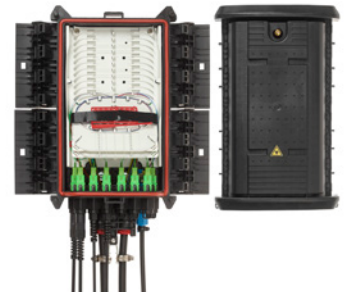
8 Port SC/APC

The BPEO S1 ECAM Connect is designed to quickly connect SC format terminated drop cables in outdoor aerial and underground mid-span applications. With the ECAM Connect system, the drop cables can be connected without the need to open the closure. A 3M™ ECAM double entry port allows the routing of an uncut feeder cable.

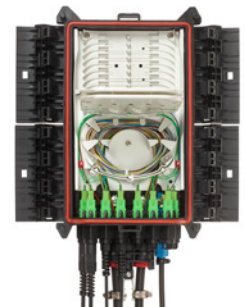
The closure has 8 ports pre-equipped with SC/APC couplings and pigtails. These ports are ready to receive an ECAM Connect pre-terminated drop cable, or a drop cable prepared with an ECAM Connect Field Mount Kit, for a direct and simple push/pull connection.

Features	Benefits
Double ECAM Port entry for feeder cable	External cable preparation of uncut feeder
ECAM Connect drop connector	External plug & play without closure opening
Pre-connectorized	Reduced connectivity work in the field
Opening and closing without special tool	Quick and easy installation
Field mountable drop connector available	Aesthetic appearance, no cable loop on pole
Ruggedized design (IP68) SC/APC in hard cover	Reliable solution Compliant to international standards
Prepared for pole- or wall mounting	Eases installation, saves time

Specifications	
Closure Dimensions	345 × 204 × 92 (L x W x D) mm
Protection Class (Closure and Drop)	IP 68 (IEC 60529)
Number of drops	8 SC/APC Hard Connect
OD of uncut feeder	6-18 mm
OD of single branch cable (alternatively a drop port can also be used for a single branch cable)	2 ea for cables 3,5-9,5 mm Ø
Splice trays	2ea 5 mm height (for 12ea heat shrink fusion splices, total No. of splices 24)
Max. Number of splices (additional splice trays needed)	144



BPEO Size 1 ECAM Connect



ECAM Connect Hard
Connect Plug SC/APC

Applications

The BPEO S1 ECAM Connect can be used in fibre optic networks for outdoor aerial installation on poles and façades, but also for underground applications in manholes, depending on the type of drop cables used. That closure is suitable for fibre optic feeder cables with micro-module structure or loose tubes (reduced capacity) inside. The closure must be used with 3M™ ECAM Connect pre-terminated drop cables, or 3M™ ECAM Connect field mount kits.

Technical Properties(*)

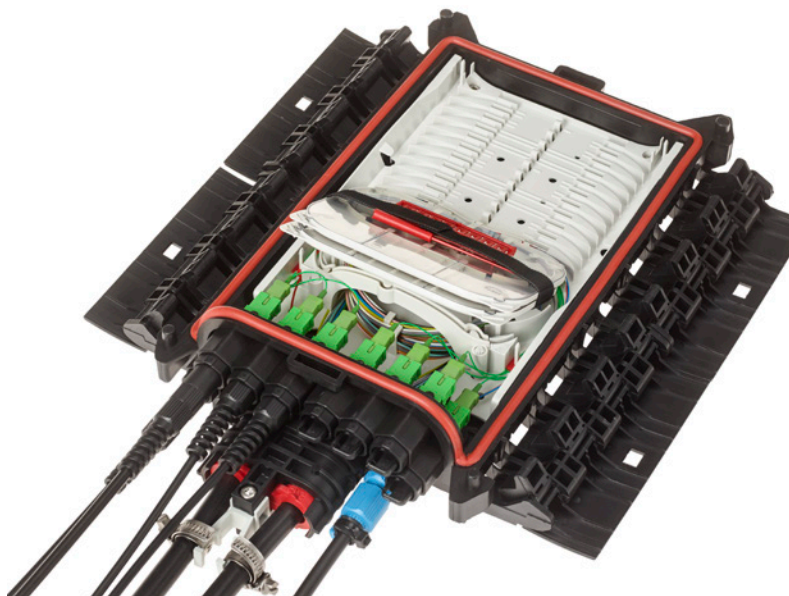
(*) Values presented have been determined by standard test methods and are average or typical values not meant to be used for specification purposes.

Mechanical Characteristics of the closure

Material:

Closure housing	Reinforced Thermoplastics
Organizer and trays	Thermoplastics
Protection Class	IP68 when delivered according to EN60529 (20 kPa internal air pressure, or immersed under 2m of water) depending on the ECAM Connect drop cable or field mount kits used.
Operating temperature	-40 °C to +65 °C according to IEC61300-2-22
Splicing capacity	Up to 144 fusion splices (delivered with two splice trays, each for 12 fusion splices)
Cable ports (*)	1 Dual Port for 1 Double ECAM D18 or 2 Single ECAM S12 10 Single Ports each for 1 ECAM Connect or for 1ea ECAM S 9,5. (8 pre-equipped for ECAM Connect)
Pull out force (for ECAM Connect Drop Cables)	80N typical acc. IEC61300-2-6

(*) The closure is delivered watertight with sealed plugs on each cable ports.



Optical Characteristics of the pigtails and couplings delivered with the closure

SC/APC connectors	According to IEC 60874-14-10
Fibre Type	According to ITU-T G.657.A2
Buffer Tube	Ø 900 µm semi-tight structure (easy strip)
SC Coupling	According to IEC 60874-14-3

User Information

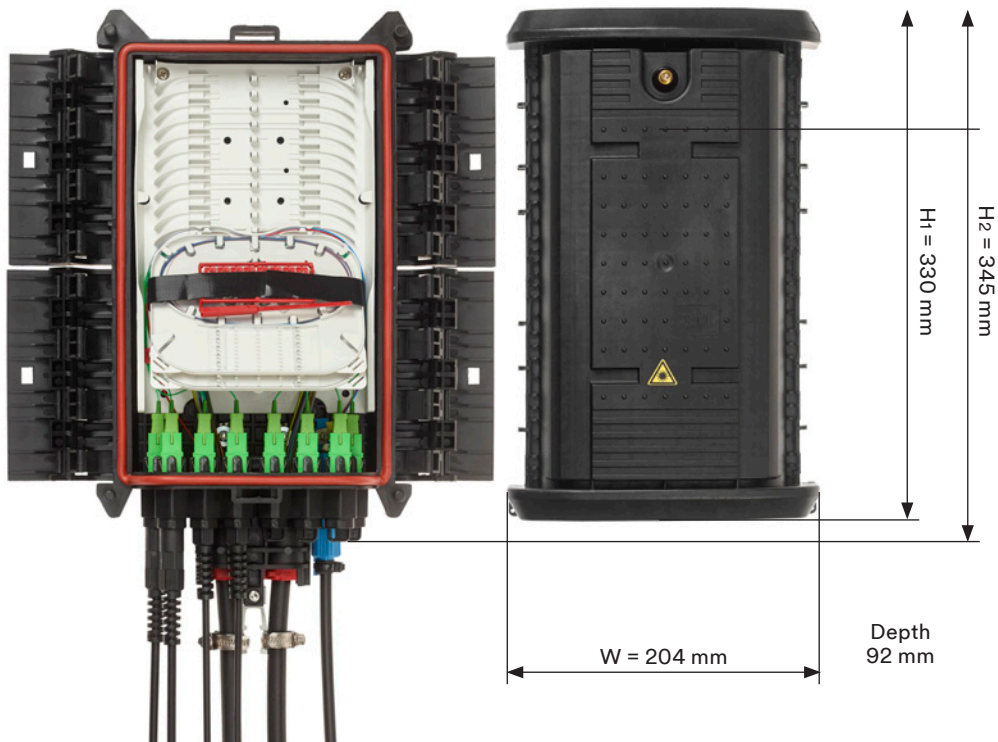
Regulatory:

RoHS 2011/65/EU *


Application/Installation See installation manual N961864B

Safety information See installation manual N961864B

Dimensions



Ordering Information

Product Description	Ref. No.	MOQ
 <p>BPEO S1 ECAM Connect 8SCAPC 1D18 Closure for above and below grade applications with external drop connectivity 8 port SC/APC</p>	N501836A	1 each

* RoHS 2011/65/EU means that the product or part does not contain any of the substances in excess of the maximum concentration values ("MCVs") in EU RoHS Directive 2011/65/EU. The MCVs are by weight in homogeneous materials. This information represents 3M's knowledge and belief, which may be based in whole or in part on information provided by third party suppliers to 3M.

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