Generic Sub-Rack 3A

Prysmian Part Number: XPFSC00050A

The OAsys Generic Sub-Rack 3A (GSR3A) is designed for use in ETSI compliant Optical Equipment Racks. The GSR must be used in conjunction with a Rack Splicing Module. The maximum capacity of the GSR3A is **48** spliced fibres (one RSM), based on single circuit management.

Using the RSM, connectorised pigtails from the optical equipment can be spliced directly to internal cables. A further advantage of the GSR is the provision made in the base for any excess lengths of patch cord.

Features and Benefits

- Supplied in 'flat pack' format to minimise transport costs and ease handling.
- Left & right hand mounting brackets can be front or rear mounted.
- Simple to install: -

  (i) Secure the universal brackets.

  (ii) Slide the Module Support Shelf and Patch Cord Storage Shelf into place.

  (iii) Secure both shelves with screws provided.

  (iv) Install the OAsys Rack Splicing Module (part no. XPFSC00001).
- Input cable enters from the top or bottom left. Output jumper cables exit from left or right hand side (or combination of both).
- The GSR accommodates one OAsys 'Rack Splicing Module' (refer to Data Sheet IP003).
- Storage area for excess lengths of jumper cable.
- Integral installation & operating instructions plus record sheet.
- Required height envelope ETSI 10SU (250 mm), TEP-1E 8 VU (244 mm).
- Jumper cables are always routed down from the RSM Bend Manager to the Jumper Storage Shelf and then up or down the left or right hand cable duct.
- All fibres and jumper cables are positively managed to a 30mm minimum bend radius.

Kit Contents

- 1 pair of Universal Brackets
- Module Support Shelf
- Jumper Cable Storage Shelf
- All fixings for front and rear mounting

Additional Items Required

- Rack Splicing Module
- Aramid Restraint Kit
- Splice Protectors

Technical Data

• Spliced fibre capacity:	24 fibres on a single fibre basis
	48 fibres on a single circuit basis
• Max. Cable Diameter (mm):	30
• Cable capacity:	3
• Required space envelope (mm):	(w) 535 x (d) 235 x (h) 240
• Operating temperature:	-20°C to + 50°C (5 to 95% RH)
• Materials:	
• Metalwork:	Mild Steel
• Plastics:	High Impact Polystyrene (Fire Retardant)
• Finish:-	
• Metalwork:	Zinc passivate (Clear)
• Plastic:	Light Grey RAL 7035
• Testing:	
• Optical:	Tested at 1310nm and 1550nm
• Dry heat:	BS EN 60068-2-2 Test Bb
• Damp heat:	IEC 68-2-3
• Change of temperature	IEC 68-2-14
• Vibration:	IEC 68-2-6
• Shock:	IEC 68-2-27

Logistics

Generic Sub-Rack 3A

• Packing Dimensions (mm):	(w) 520 x (d) 250 x (h) 135
• Packed Weight (kg):	6.00
• Net weight (kg):	5.75

Rack Splicing Module 3A

• Packing Dimensions (mm):	(w) 605 x (d) 335 x (h) 290
• Packed Weight (kg):	8.0
• Net weight (kg):	7.5

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Issue 03, June 2006
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Additional Items

Rack Splicing Module

The OAsys Rack Splicing Module 3A is used in the OAsys Generic Sub-Rack to facilitate the splicing of fibres. The RSM has a multi-functional role; input cable and sheath termination, fibre flexibility, circuit segregation, fibre routing, fibre storage, splice storage and jumper cable routing. Each RSM consists of 12 'swing out' Splice Modules, with each Splice Module housing 2 Splice Trays. The splicing capacity of the RSM is 48 fibres based on a dual fibre per tray basis.

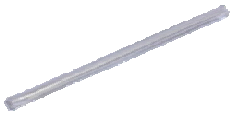
Prysmian Part No. – XPFSC00001

Aramid Restraint Kit

The OAsys Aramid Restraint Kit provides strain relief (up to 8Kg) for Aramid yarns from single fibre cables. The restraints are used to anchor the jumper cables onto the splice module.

Prysmian Part No. – XAPSC00546 (pack of 10)

Splice Protectors



OAsys splice protectors are used to protect the fibre splice. They are 2.2mm in diameter and 45mm in length.

Prysmian Part No. - XPESC00053 (pack of 50)
- XKTSC00050 (pack of 12)

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