Prysmian Group

INSTALLATION INSTRUCTION

OAsys® INTERNAL PLANT

SRS3000 1U Patch Only Shelf

Part Number: SRS1, SRS2 and SRS3 part numbers containing 'module-100-144'

⚠️
Clean before you connect.
It is important that all fibre connectors and adapters are cleaned prior to mating using approved local practice. Failure to clean may result in either poor signal performance and/or permanent damage to the connector end faces.

Description	Tools and Additional Items Required

- Suitable for installation into 19", ETSI and ANSI racks.
- Modular panel design enables easy capacity upgrades from 12 to 48 adapters.
- Very high patch density of 48 adapters for SC and LC connector types in 1U.
- High patch density of 24 adapters for ST, FC and E2000 connector types in 1U.
- Can accommodate most cable types including blown fibre tube cables.
- Patch module pivots outwards for easy fibre access and maintenance.
- The drop-down front panel prevents accidental disconnection of patch-cords and provides additional space for patch cord routing during installations.
- All fibres are positively bend managed to a 30mm radius
- Supplied with a large cover label and front panel labels for easy identification and data recording.
- Patch bay is covered with a detachable lid (secured with two screws) to protect the fibres once installed.

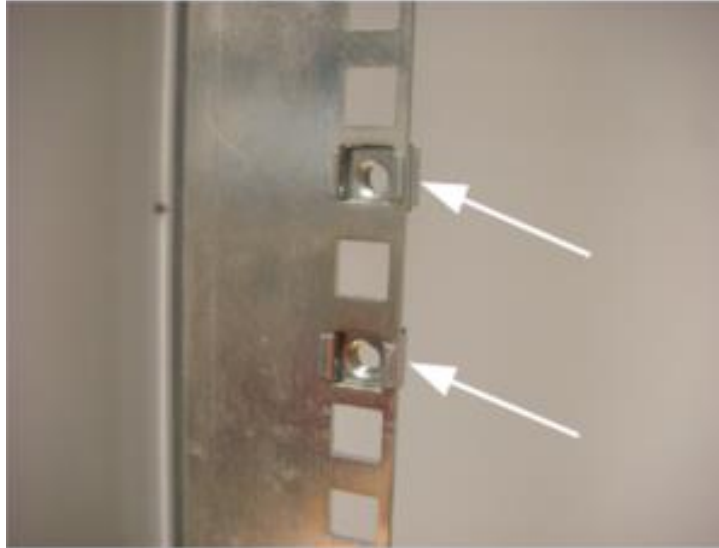| Additional Items Required:	Prysmian Part No.
Patch Cords	REF datasheet: AC004

Optional Items:	Prysmian Part No.
ETSI Mounting Bracket Kit	XKTSC00171
Patch Panel Upgrade Kit	REF datasheet: RM019
Rear Mounting Bracket Kit	XSRSC00361
Connector Removal Tool	XKTSC00286

Tools: Pozi Drive Screwdrivers: No.2 / No.3

Component Parts (pictures not to scale)

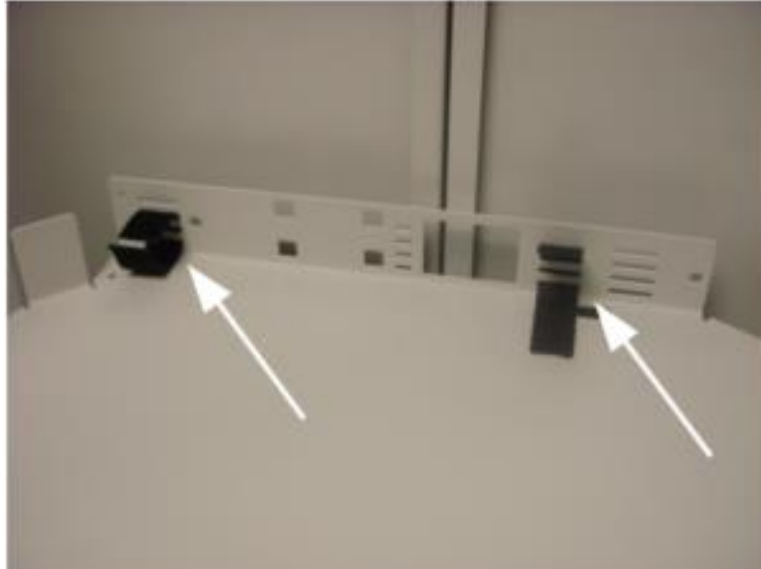| 1. Patch Shelf Base Assembly QTY: 1	2. Patch Cord Bend Manager QTY:1	3. Fastenings and Fixings QTY:
		Velcro Ties 2 M6 Cage Nuts 4 M6 x 12mm Pozi Pan Hd SEMS 4 ARS Kit 1

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Step 1

- To install the shelf into the rack first of all locate a suitable position within the rack.

- Insert the cage nuts from the installation kit in both sides of the rack to the back of the rail.

- Check the position of them by offering up the shelf to check that the spacing is correct.
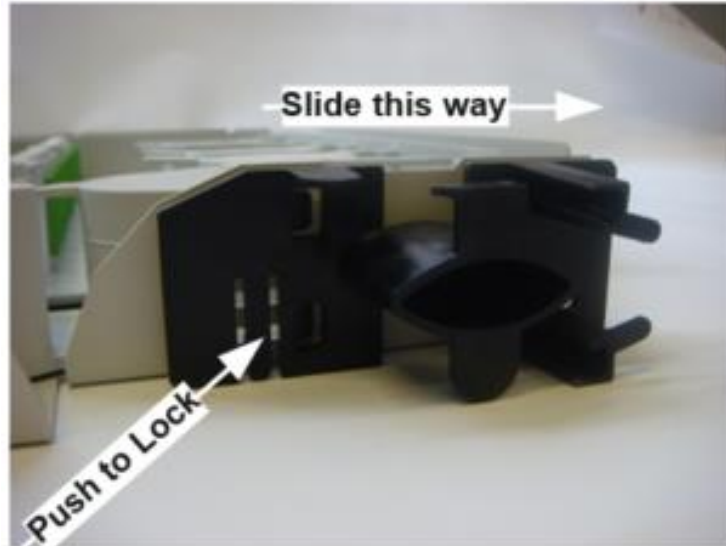
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Step 2

- Before installing the shelf into the rack insert the 2 Velcro ties from the installation kit into the positions shown above.

- These are used to secure the incoming patch cords.

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Step 3

- To attach the bend manager, locate the 4 square holes on the right side of the metalwork.

- The bend manager is attached by sliding it into position in the direction shown above.

- Check the bend manager is locked in place by pushing the tab. This should engage into the metalwork and lock it in position.
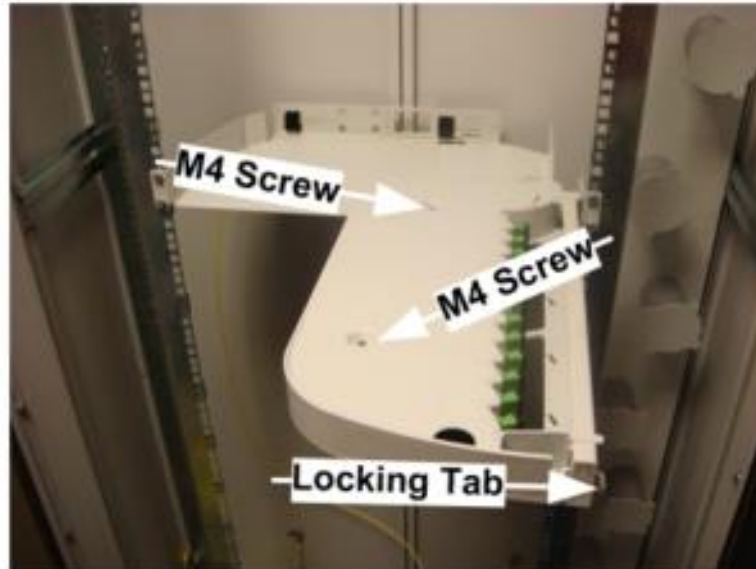
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Step 4

- Fix the shelf into postion using the 4 M6 x 12mm Pozi Pan Hd SEMS screws. Use a No.3 Pozi Drive Screwdriver.

- Ensure that the shelf is securely attached by tightening the screws so that the serrated washer engages with the shelf metalwork.

- *If fitting into an ETSI rack fit: ETSI Mounting Bracket Kit – XKTSC00171 by attaching the brackets to the 19" fixing holes. Tighten 2 self-tapping screws each side using a No.3 Pozi Drive Screwdriver.*
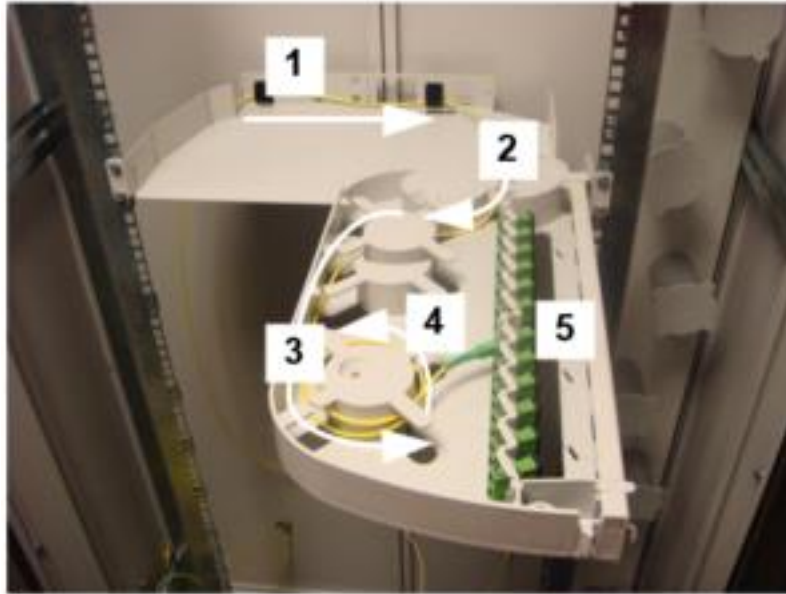
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Step 5

- On the left of the shelf, you will see a locking tab. Push this to right and then pull.

- This will allow the shelf to swing out. Open the shelf so that it swings out approximately 90°.

- Remove the 2x M4 screws that retain the cover on the shelf by using a No.2 Pozi Drive Screwdriver.
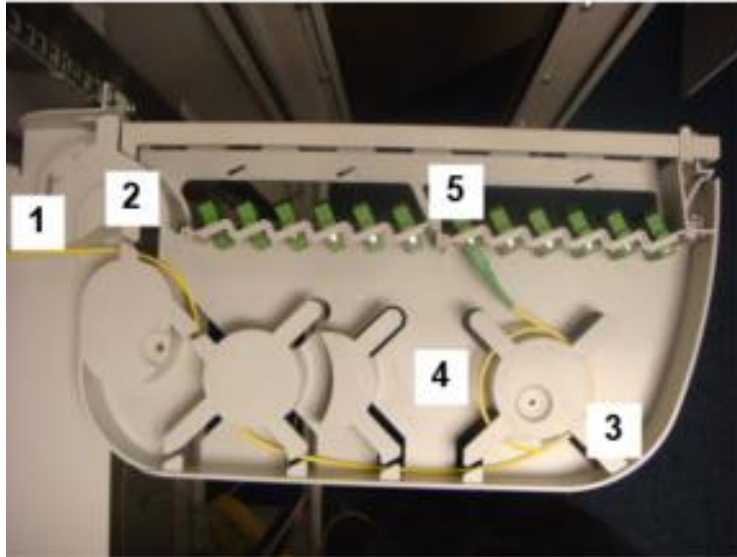
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Step 6

- This installation step starts showing you how to route the patch cord onto the shelf and attach it to the patch panel.

- Loosely secure the patch cord at the back of the shelf using the Velcro. Pull a 1.3m from the first piece of Velcro.

- Route the patch cord through point 2 making sure that it is not pulled tight. Follow the numbered route. Make sure that at point 3 one loop is taken around the mandrel (point 4). Connect the patch cord to an adaptor at point 5.
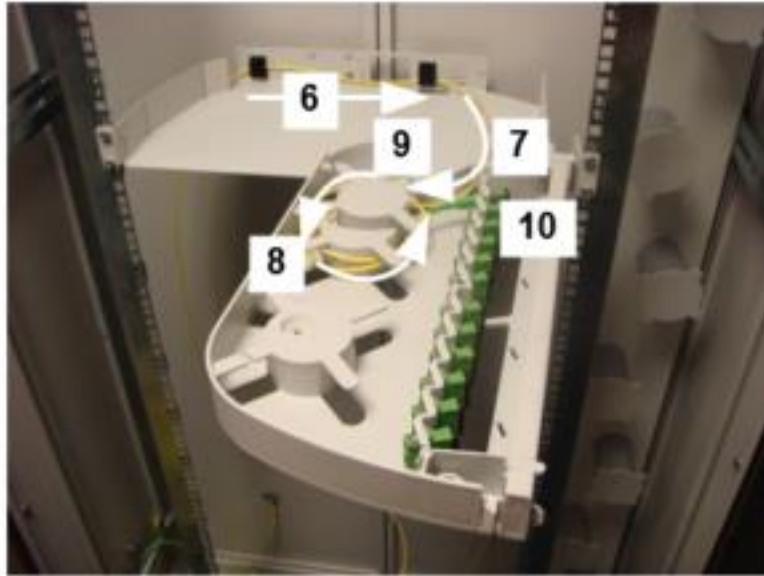
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Step 7

- The diagram above summarises the route the patch cord should take.

- The sequence of numbers above specifies the route to follow to ensure that the same length of patch cord can reach every adaptor position.

- It is essential that one patch cord is installed first to confirm the length is correct. The position above should be used to check the length.

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Step 8

- This installation step starts showing you how to route the patch cord onto the shelf and attach it to the other patch panel.

- Loosely secure the patch cord at the back of the shelf using the Velcro. Pull a 1.3m from the first piece of Velcro.

- Route the patch cord through point 7 making sure that it is not pulled tight. Follow the numbered route. Make sure that at point 8 one loop is taken around the mandrel (point 9). Connect the patch cord to an adaptor at point 10.

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Step 9

- The diagram above summarises the route the patch cord should take.

- The sequence of numbers above specifies the route to follow to ensure that the same length of patch cord can reach every adaptor position.

- It is essential that one patch cord is installed first to confirm the length is correct. The position above should be used to check the length.
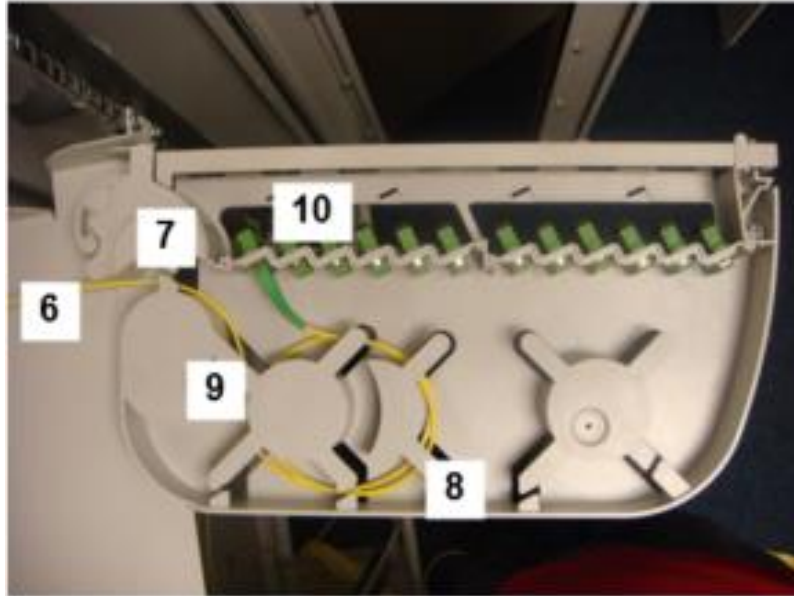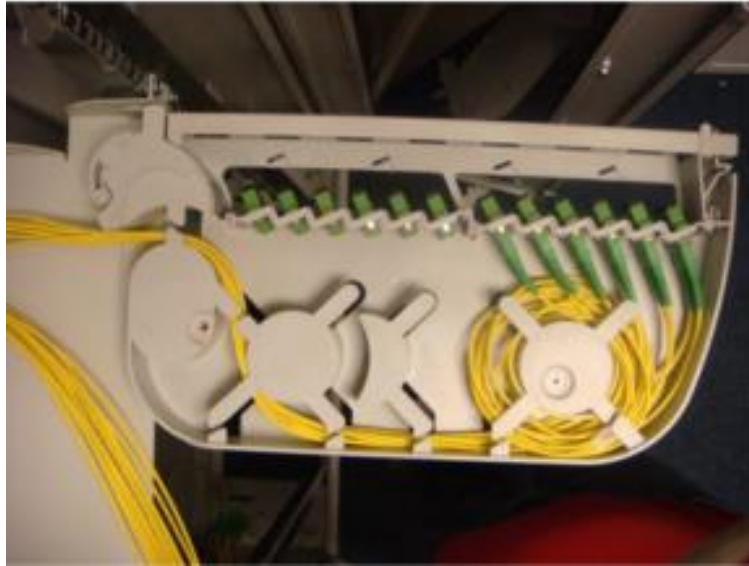
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Step 10

- It is now possible to route the remaining patch cords to other available positions on the right-hand side patch panel.

- Any excess patch cord length should be lost around the mandrel.

- It is possible to route the patch cords onto the shelf in pairs.

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Step 11

- It is now possible to route the remaining patch cords to other available positions on the right-hand side patch panel.

- Any excess patch cord length should be lost around the mandrel.

- It is possible to route the patch cords onto the shelf in pairs.

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Step 12

- Replace the cover making sure that it sits flat and is recessed correctly. Replace the 2 M4 screws which were removed in Step 5. These screws retain the cover on the shelf. Use a No.2 Pozi Drive Screwdriver. Do not over tighten.
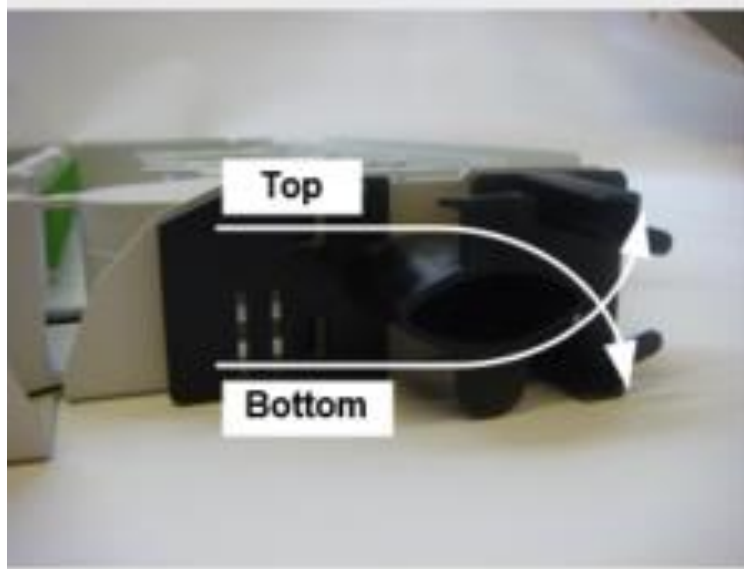
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Step 13

- Push the shelf back into the closed position. Push this fully back into the shelf a click will be heard when the locking tab has been engaged on the metalwork.

Note. When closing the module lift slightly before pushing back into place.

- Installation is now complete.

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Using the Bend Manager:

- Attach the patch cords to the adaptors and route them around the hinge making sure that the patch cords do not jump over the top of the shelf.

- Manage the patch cords using the bend manager.

- By routing the patch cords around the top of the bend manager they will exit towards the bottom of the rack.

- By routing the patch cords around the bottom of the bend a manager they will exit towards the top of the rack.

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Using Pre-Connectorised Cable:

- If you are using pre-connectorised cable it necessary to ensure that the patch cord length is 1.2m.

- The cable should be attached to the shelf using the SRS – ARS Cable Anchor Kit (XSRSC00360) and the patch cords routed as per the steps shown in this installation guide.

- Contact Prysmian for more details.

NOTES:

Please note this installation guide has been written showing SC/APC adaptors and patch cords. The steps within this document are applicable to all other supported adaptor types.

See Prysmian Datasheet: RM019-01 SRS3000 1U Patch Only Shelf for more details including supported adaptor types.