

# Fiber Optic Splice Closure

GPJ83 - 11 series

## Overview

LongXing GPJ83-11 series Aerial Weathertight Splice Closures are designed for aerial strand-mount FTTH drop locations where drop cables are spliced to distribution cables. These free breathing closures combine grommet cable sealing technology and splice tray, the splitter module is also available. Aerial Weathertight Splice Closures are suitable for special feature with SSW cable. These durable, easy to install closures will increase productivity, reduce labor expenses and last through the life time of your network.

## Features

- The closure casing is made of quality engineering plastics, and of good performance of anti-erosion against acid and alkali salt, anti-aging, as well as pleasing appearance.
- The mechanical structure is reliable and has the performance of resisting wild environment.
- Chemical and mechanical resistance for all the aerial application areas in the fiber networks.
- Cover most of the applications in the premise wiring networks like Fiber To The Home (FTTH)
- Closure adopts hinge/buckle mechanism which makes dismantling/assembling easy
- Cable entry section can accommodate 1 main cable with up to 16c SSW cable
- Can accommodate up to 8 drop cables.
- Convenient attachable splitter module with 1:8 splitter module & 1:4 splitter module for drop cable installation.
- Re-useable grommet sealing open and close easily for adding or removing drop cables providing efficient cable installation with no mess



GPJ83-11A  
Splice type

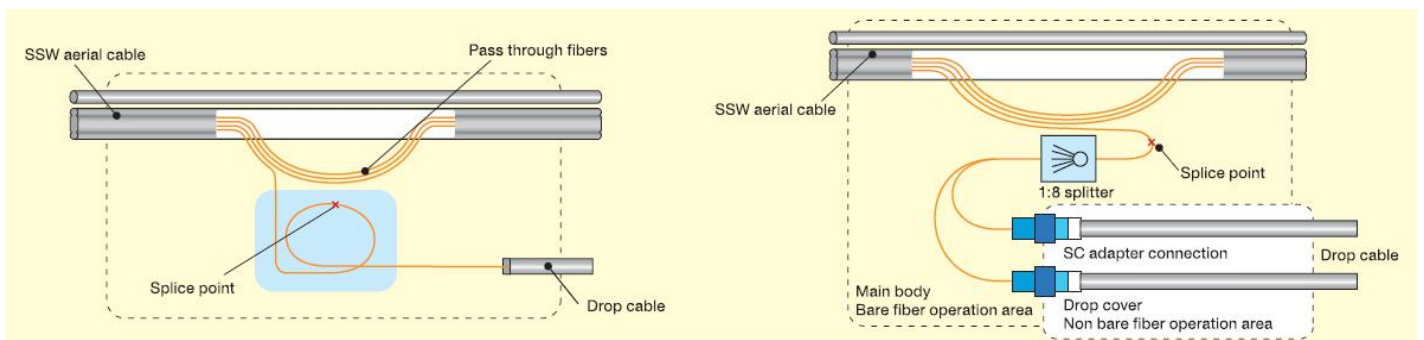


GPJ83-11A  
Splice type



GPJ83-11B  
Splitter module type

## Applications

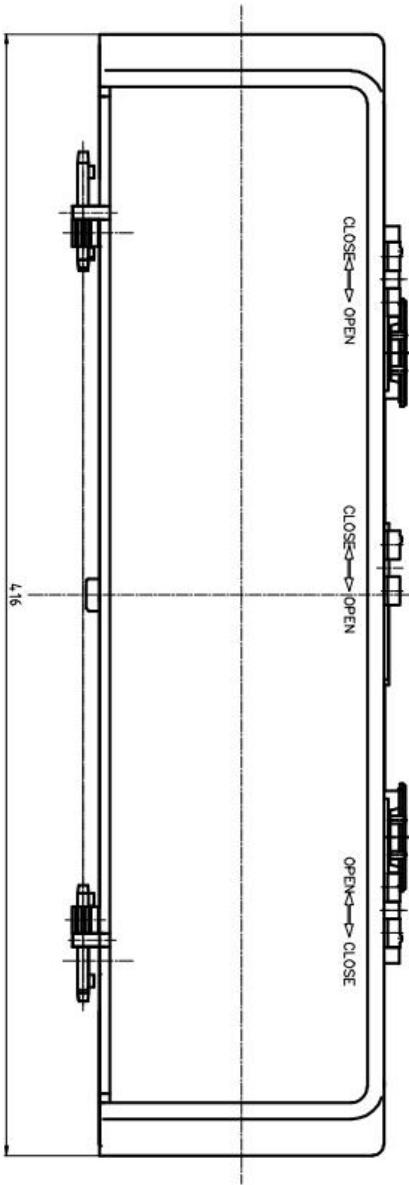


# Technical Drawings

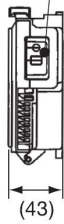
## GPJ83-11A

### Splice type

Single layer structure: splice only.



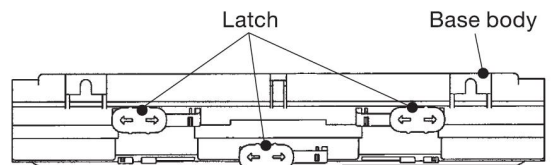
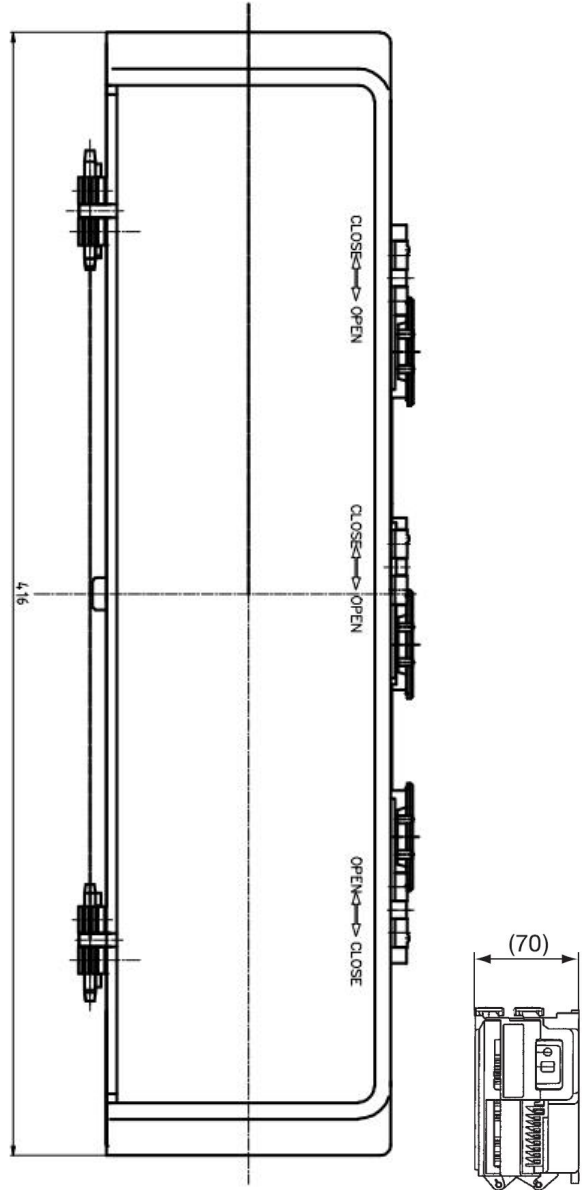
End plate



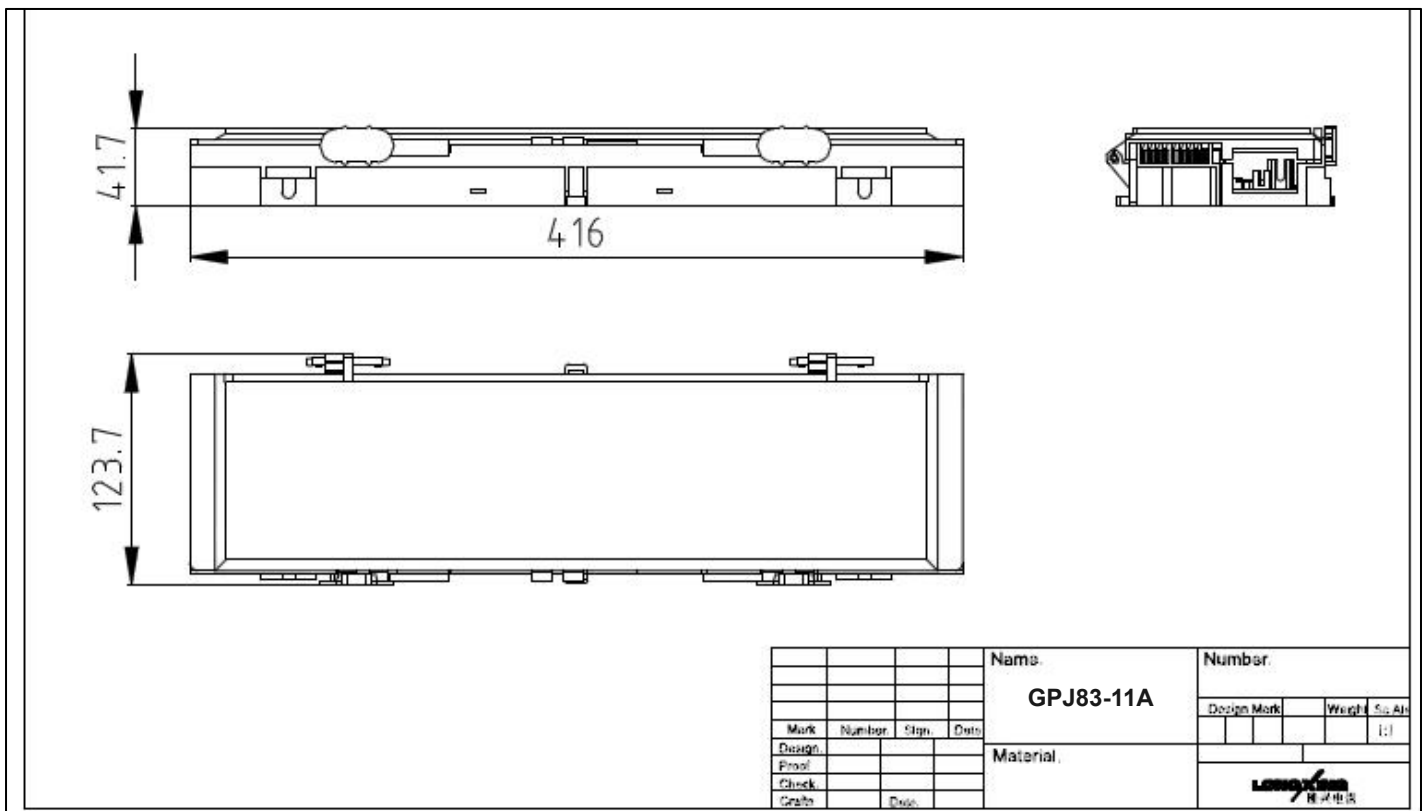
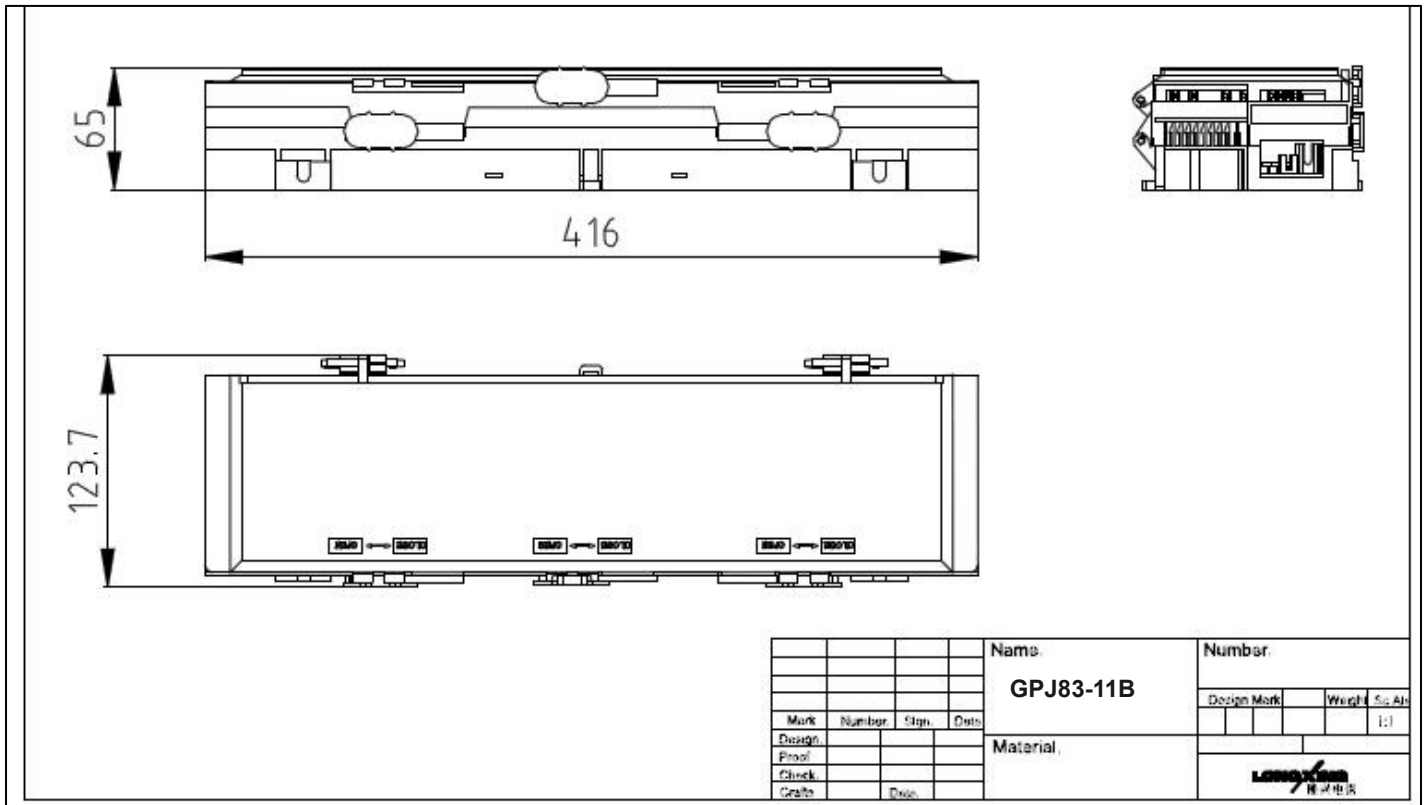
## GPJ83-11B

### Splitter module type

Double layer structure: upper for splitter module; lower for splicing.



# Technical Drawings



Dimensions and Capability		
Dimensions (L*W*H)	GPJ83-11B: 416mm*123.7mm*65mm	
Material	Molded plastic	
Cable Diameter	Main cable	SSW aerial optical cable: 1 PC
	Drop cable	2×3 mm: up to 8 PCS
Cable Ports	2 for main cable	
Maximum Fiber Storage Capacity	Single-fiber	12 splices points
No. of Optical Adapter	Max. 8×SC adapter	with 1×8 splitter module

Technical Characteristics	ITU-T L.13 complied
Vibration IEC61300-2-1	A=±5mm, f=10Hz, 1,000,000Cy, No splice case degradation. No damage.
Cable fixture (bend) IEC61300-2-37	Bending radius: 15mm, ±90° bending, 3 Cy/cable. No splice case degradation. No damage.
Cable retention IEC61300-2-4	Main cable:98N Drop cable: 49N. No splice case degradation.
Temperature cycling IEC61300-2-22	-20C-20C60C, 8h/Cy. No splice case degradation. No damage.
Impact (free drop) IEC61300-2-12	0.75m@-15C & + 45C. No splice case degradation.
Degrees of protection (IP Code) IEC 60529	IPX4 Protected against Wind driven rain proof. (option:IP54 Wind driven rain proof & no effective by dust.)
Salt mist IEC61300-2-26	5% NaCl for 5 days, without rust. No damage.
Re-entris IEC61300-2-33	At least 1 thermal cycle to repeat Open & Close the closure sleeve 10 times. No damage.

Operation Conditions	
Temperature	-40℃~+60℃
Humidity	≤95% (at 40℃)
Air Pressure	70kPa ~106kPa

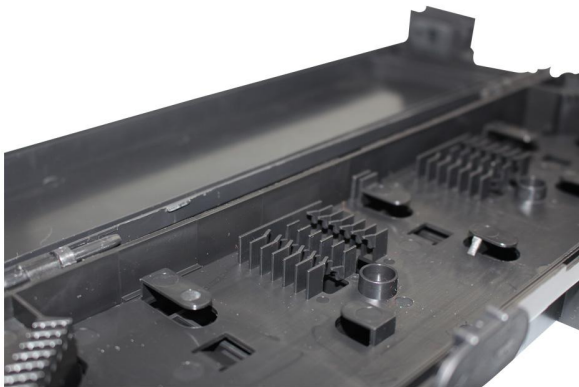
Shipping Information	
Package Contents	Closure, 1 unit; Installation accessories, 1 set
Package Dimensions(L*W*H)	420mm*100mm*150mm
Material	Carton box
Weight	1.5 KG
Lead Time	10-15 working days normally



## Technical Specifications

- Seal performance: after the box is sealed, inflate to 100kPa inwards (inflation only apply to the models with the air hole), and then soak it in the water of normal temperature, after 15 minutes of steady observation, there is no bubble to overflow.
- Insulation resistance: the insulation resistance between the metal work piece and the earth is greater than 20kMΩ.
- Pressurization: there is no breakdown or flashover under 15kVdc/1min between the metal work piece and the earth.
- The curvature radius of the fiber 40mm, without extra loss inside the splice tray.
- It can bear the axial tensile strength no less than 1000N.
- Lifetime: 25 years.
- Other performances are all in accordance with the requirement of standard YD/T814-1998.

## Part Details



**GPJ83-11A**  
Splice type



**GPJ83-11A**  
Splice type



**GPJ83-11A**  
Splice type



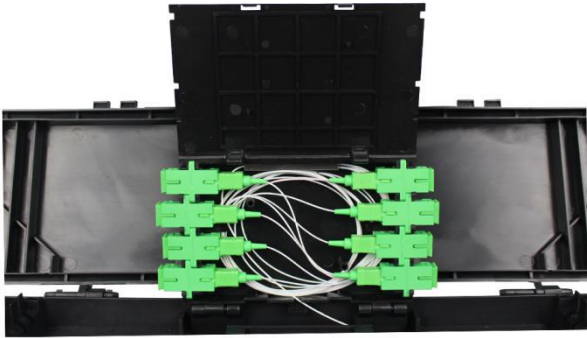
**GPJ83-11A**  
Splice type



**GPJ83-11B**  
Splitter module type



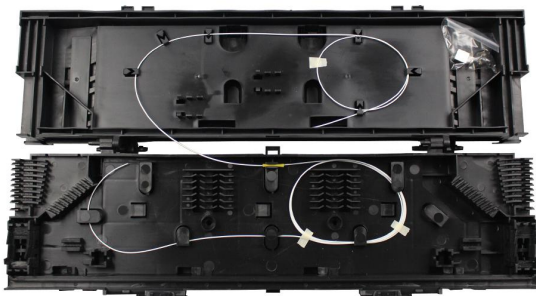
**GPJ83-11B**  
Splitter module type



**GPJ83-11B**  
Splitter module type



**GPJ83-11B**  
Splitter module type



**GPJ83-11B**  
Splitter module type

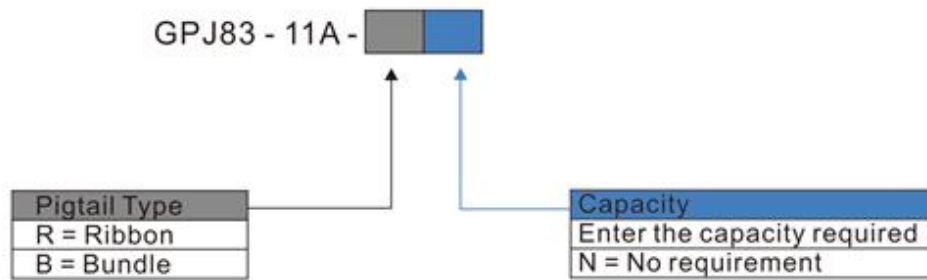


**Rubber**



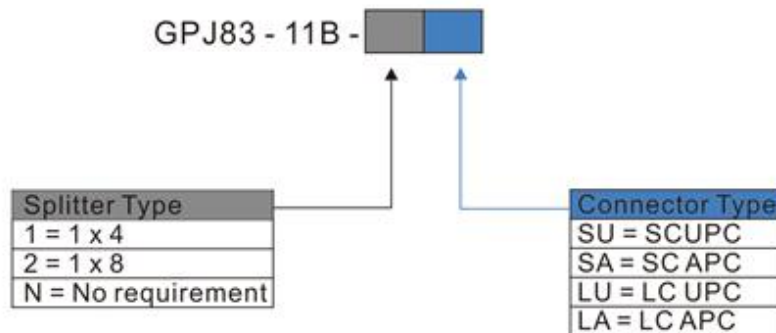


# Catalog Number



## Ordering Example:

GPJ83-11A-B08 Bundle pigtail, 8 Cores.



## Ordering Example:

GPJ83-11B-1SU 1 x 4, SC UPC.

**Note :** \*If the required type of any item is not on the relevant list, please kindly state the required type in the description of PO.