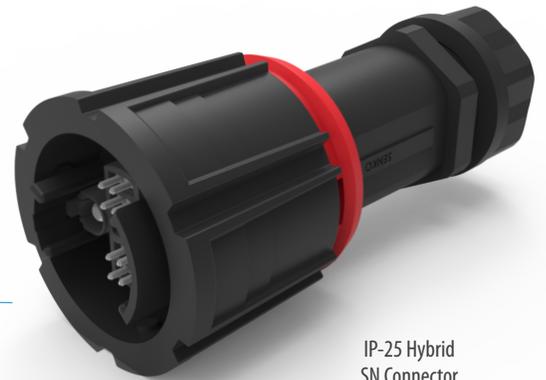


IP-25 HYBRID SN[®] SERIES Connector Bulkhead Adapter



The IP-ONE (Optical 'N' Electrical) series is designed to simplify the deployment of fiber and power connectivity by combining them into a single connector. This innovative solution offers a streamlined cabling process that saves time and money while ensuring reliability and performance.

One of the latest offerings from the IP-ONE series is the SENKO IP-25 SN[®] connector series. This hybrid connector features a pair of 6-10 AWG conductors and four SN[®] duplex connectors, allowing for the transmission of both power and fiber signals in a single cable. The IP-25 Hybrid SN[®] connector is housed in a robust plastic casing, ensuring its durability and resistance to harsh environmental conditions. It is rated to IP68 ingress protection from dust and water.

As the demand for hybrid cable solutions in macro cell deployment continues to rise, the IP-25 SN[®] Hybrid series offers a cost-effective and simplified cabling solution. With its easy-to-install design, this connector series enables faster and more efficient deployment of fiber and power connectivity. By reducing installation time, the IP-25 SN[®] Hybrid series helps to increase productivity and profitability for businesses of all sizes.

FEATURES

- IP68 rated hardened connector body
- 4 x SN[®] duplex connectors (8-fiber)
- 2 x 6-10 AWG conductors
- High power applications
- Bayonet lock with patented Safe Lock Ring
- UV resistance for outdoor applications
- 100lbs superior pull force
- Easy and quick termination
- 13-19 mm OD cable compatible

APPLICATIONS

- FTTA
- Macro cell
- Hybrid breakout

KEY BENEFITS

- ✓ **High power hybrid (fiber + power)**
- ✓ **IP68 robust housing**
- ✓ **100 lbs pull force**

Mechanical Data

	Value
Proof	100 lbf or 450 N for 120 seconds
Durability	50 matings
Fiber Count	8 fibers
Cable Suitability	13.0 - 19.0 mm round

Optical Data

	Singlemode				Multimode
	UPC		APC		MM
	Low Loss	Standard	Low Loss	Standard	Standard
Typical Insertion Loss (dB)*	0.05	0.08	0.07	0.12	0.10
Max. Insertion Loss (dB)*	0.15	0.20	0.15	0.25	0.20
Typical Return Loss (dB)*	≥55		≥65		≥25

* Based on master grade jumper to low loss random mating test

Environmental Data

	Value
IP Rating*	IP68
Operating Temperature (C)	-40°C to +75°C
UV Resistance	Yes
RoHS Compliance	2015/863 RoHS
REACH Compliance	Yes

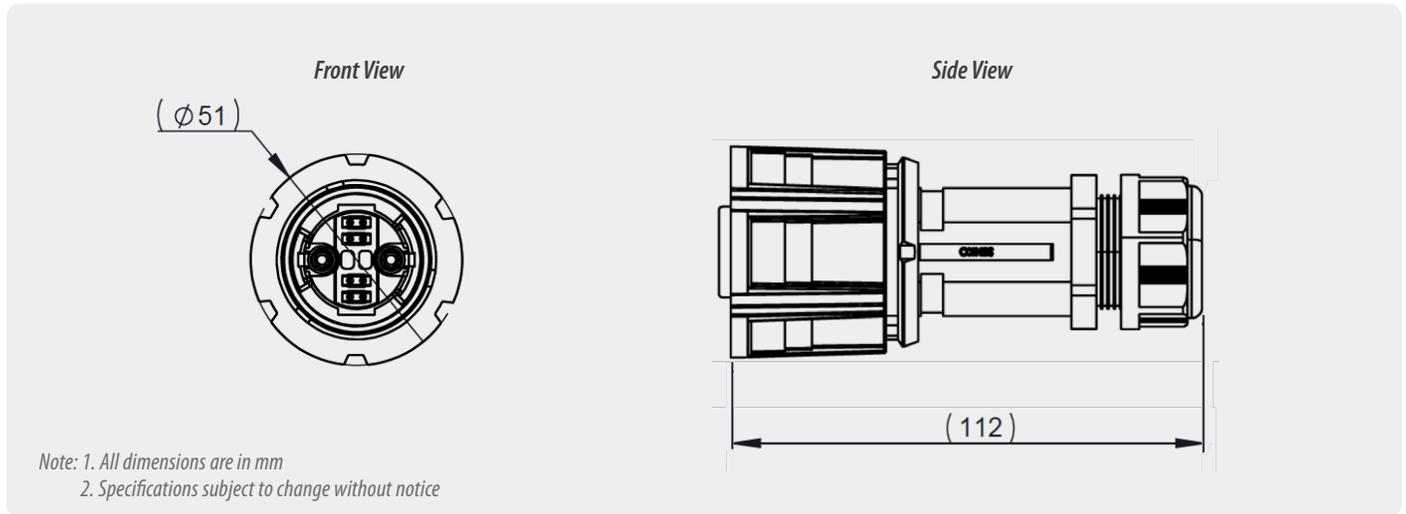
* The IP rating was validated using a SENKO sourced cable and termination procedure. It is recommended to retest IP rating for any other cable types.

Electrical Data

	Contact Power Rating
Maximum DC*	600V / 70A
Conductor Size	6-10AWG x 2

* Current Rating at 25C ambient temperature

Connector Drawing



ORDERING



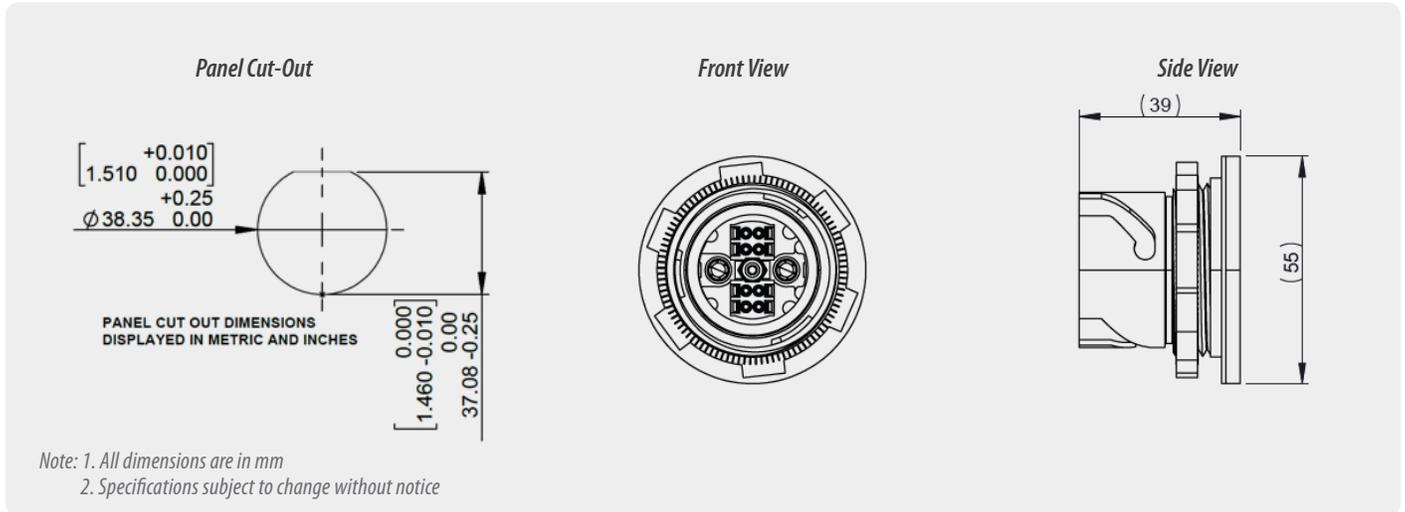
CODE	CONNECTOR TYPE	FIBER TYPE	FIBER COUNT	CABLE SIZE	COPPER CABLE GAUGE SIZE
IP25C1	SN SN Connector	L SM UPC	08 8 Fibers	G 13-18 mm	02 10-6AWG
		G SM APC Green			
		A OM3 MM Aqua			
		V OM4 MM Violet			
		M OM5 Lime Green			

IP25C1 - SNL08 - G - 02 ORDER CODE example

CODE	PRODUCT TYPE	GENERATION
IP25	DC1 Connector Dust Cap	01 Gen1

IP25DC1 - 01 ORDER CODE example

Bulkhead Adapter Drawing



ORDERING



IP-25 Hybrid
SN Bulkhead Adapter

CODE	ADAPTER TYPE	CONNECTOR TYPE	PORT COUNT	LOCK RING	COPPER CABLE GAUGE SIZE
IP25	AB1 Bulkhead Adapter	SN SN Adapter	4 4 Ports	00 With Lock Ring and Gasket	02 10-6AWG

ORDER CODE example: IP25AB1 - SN400 - 02

CODE	PRODUCT TYPE	GENERATION
IP25	DA1 Mating Adapter Dust Cap	01 Gen1

ORDER CODE example: IP25DA1 - 01

Accessories - Production/Cleaning

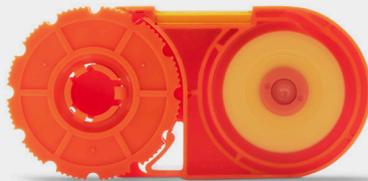
ONE-CLICK DUPLEX SN
PN: SCK-DC-SN



IP-25 Crimp Fixture
PN: CRT-IP25-01



Smart Cleaner[™]
Cassette
PN: SCK-CC-100



IP-25 Contact Extraction Tool
PN: IP25-EXT-01



SENKO[®]

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