SENKO®
Advanced Components

Bulkhead Aapter

IP-16 *SN SERIES*
Connector
Bulkhead Adapter
Inline Adapter

Inline Aapter

IP-16
SN Connector

The IP-16 Connector series is SENKO's hardened fiber optic connectivity solution for outdoor applications and harsh environments. The light-weight, yet robust plastic housing provides IP68 rating, paired with ergonomic bayonet mechanics for quick and easy installations.

This IP-16 SN Series is equipped with SENKO's advanced SN® connectivity, a cutting-edge Very Small Form Factor (VSFF) technology, designed to accommodate higher fiber counts in comparison to traditional hardened connector series. This innovative series harnesses the proven reliability of the 1.25mm ceramic ferrules, same as traditional LC connectors. As the demand for higher data rates escalates, there is a growing necessity for more extensive fiber deployment. The IP-16 SN Series addresses this need with its versatile configurations, providing options for 2 channels (4-fiber) and 3 channels (6-fiber), allowing for integration with fiber optic cables of increased fiber counts, thereby enhancing network capacity and performance.

FEATURES

- IP68 rated hardened connector
- ODVA standard footprint shell
- Lightweight, yet rugged plastic body
- Bayonet lock with patented Safe Lock Ring
- UV resistance for outdoor applications
- 100lbs superior pull force
- Easy and quick termination
- Compatible with 4.5-7.2mm OD cable

APPLICATIONS

- FTTx, FTTH
- Broadcast
- Military
- Industrial
- Transport
- Renewable energy
- Medical

KEY BENEFITS

✔ **IP68 rated**
✔ **100lbf pull force**
✔ **Easy installation bayonet mechanism**

Connector, bulkhead adapter, inline adapter

Mechanical Data

	Value
Flex	0º/+90º/-90º for 80 cycles
Proof	100 lbf or 450 N for 120 seconds
TWAL	0º/90º for 30 minutes
Durability	50 matings
Fiber Count	4 / 6 fibers
Cable Suitability	4.5 - 7.2 mm round

Optical Data

	Singlemode		Multimode
	UPC		MM
	Low Loss	Standard	Standard
Typical Insertion Loss (dB)*	0.05	0.08	0.10
Max. Insertion Loss (dB)*	0.15	0.20	0.20
Typical Return Loss (dB)*	≥55		≥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.

IP-16 *SN SERIES*
Connector

Connector Drawing

Front View - 2CH Option

3.10 TYP.

7.80

Front View - 3CH Option

3.10 TYP.

3.90 TYP.

Side View

(119.3)

Note: 1. All dimensions are in mm
2. Specifications subject to change without notice
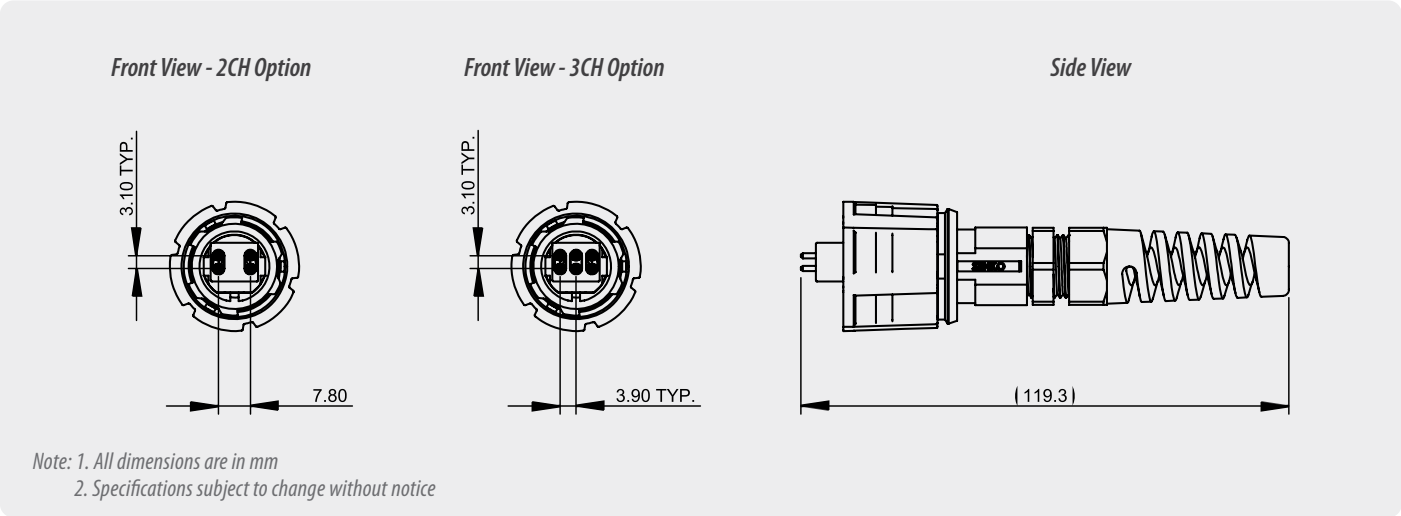
ORDERING

IP-16 SN Connector

CONNECTOR TYPE		CONNECTOR TYPE		PERFORMANCE		FIBER COUNT		IP DUST CAP		IP DUST CAP	
IP16C2	IP-16 Connector Gen 2	**SN**	SC Connector	**L**	SM Blue	**02**	2F (1ch)	**4.8**	4.5 mm - 4.9 mm	**None**	Without dust cap & tethe
				G	SM APC Green	**04**	4F (2ch)	**5.x**	5.3 mm - 5.7 mm	**D**	With dust cap & tether
				A	MM Aqua	**06**	6F (3ch)	**6.0**	5.8 mm - 6.2 mm		
								7.0	6.8 mm - 7.2 mm		
								E	7.5 mm - 11 mm		

IP16C - SNL02 - 4.8 - D ORDER CODE example

IP-16 *SN SERIES*
Bulkhead adapter

Bulkhead Adapter Drawing

Panel Cut-Out *Front View* *Side View*
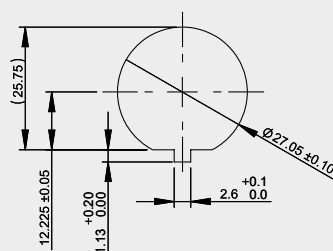
IP16AB1-SN600

Ø34.0

Ø27.05 ±0.10

(25.75)

12.225 ±0.05

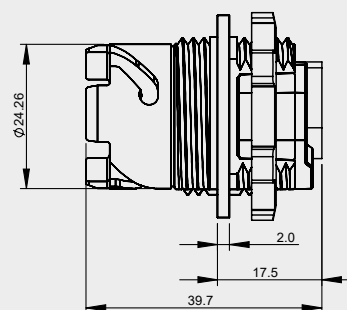+0.20 / 0.00
1.13

2.6 +0.1 / 0.0

3.90 TYP.

Ø24.26

2.0

17.5

39.7

Note: 1. All dimensions are in mm
2. Specifications subject to change without notice
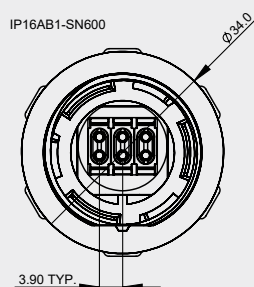
Inline Adapter Drawing

Panel Cut-Out *Front View* *Side View*
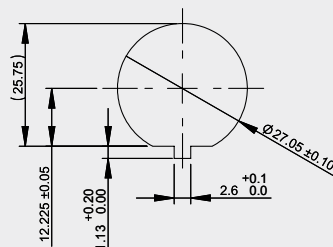
Ø34.10

Ø27.05 ±0.10

(25.75)

12.225 ±0.05

+0.20 / 0.00
1.13

2.6 +0.1 / 0.0

3.90 TYP.

24.26

2.00

19.11

46.26

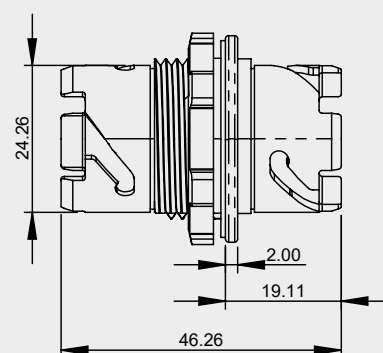*Note: 1. All dimensions are in mm*
2. Specifications subject to change without notice
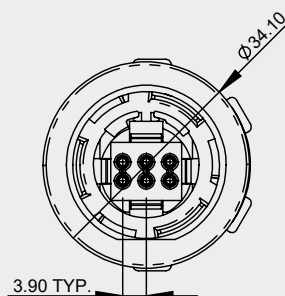
ORDERING

IP-16
SN Bulkhead Adapter

IP-16
SN Inline Adapter

ADAPTER TYPE		PORT TYPE		PORT COUNT		LOCKING NUT OPTION		DUST CAPS	
IP16AB1	Bulkhead Adapter	**SN**	SN	**3**	3 Port *(6 Fiber)*	00	With Lock Nut / Gasket	**D**	With
								None	Without

ADAPTER TYPE		PORT TYPE		PORT COUNT		LOCKING NUT OPTION		DUST CAPS	
IP16AL1	Inline Adapter	**SN**	SN	**3**	3 Port *(6 Fiber)*	00	With Lock Nut / Gasket	**D**	With
						NN	Without Lock Nut / Gasket	**None**	Without

IP16AL1 - SN300 - D ORDER CODE example