

IP-16 SC SERIES

Connector

Bulkhead Adapter

Inline Adapter



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.

The SC single-fiber connector is a staple in FTTx and telecommunications applications, prized for its durability and straightforward push-pull coupling design. The SENKO IP-16 SC Connector integrates this reliable SC technology with an innovative, patented IP-rated outer housing, facilitating swift and seamless Plug & Play field installations. The IP-16 SC Connector is available in both bulkhead and in-line variants, catering to panel or box mounting and cable-to-cable connections, respectively, thus ensuring versatile implementation options.

FEATURES

- IP68 rated hardened connector
- ODVA standard footprint
- Lightweight, yet rugged plastic body
- Bayonet lock with patented Safe Lock Ring
- UV resistance for outdoor applications
- 100 lbs superior pull force
- Easy and quick termination
- Compatible with 4.5-11.0 mm OD cable

APPLICATIONS

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

KEY BENEFITS

- ✓ **IP68 rated**
- ✓ **100 lbf pull force**
- ✓ **Easy installation bayonet mechanism**

IP-16 SC SERIES**Connector, bulkhead and inline adapter**

HARSH ENVIRONMENT SERIES DATA SHEET

Mechanical Data

	Value
Durability	50 matings
Fiber Count	Simplex (1 fiber)
Cable Suitability	4.5 - 11.0 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.

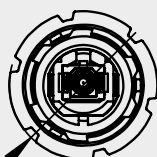
IP-16 SC SERIES

Connector

HARSH ENVIRONMENT SERIES DATA SHEET

Connector Drawing 4.5 - 7.2 mm Cable

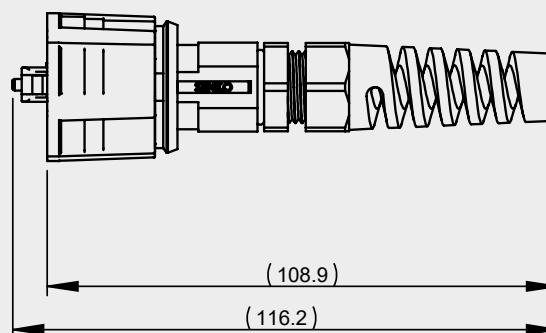
Front View



Ø 31.6

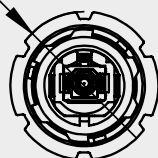
Note: 1. All dimensions are in mm
 2. Specifications subject to change without notice
 3. Drawings shown without dust cap and tether

Side View



Connector Drawing 7.5 - 11 mm Cable

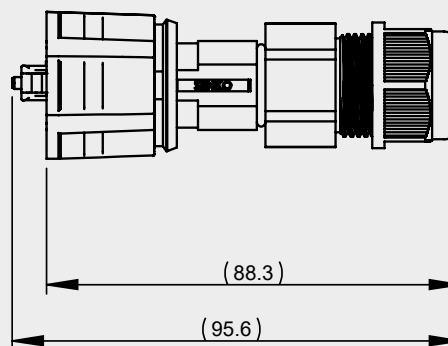
Front View



Ø 31.6

Note: 1. All dimensions are in mm
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 3. Drawings shown without dust cap and tether

Side View



ORDERING



IP-16 SC Connector

CONNECTOR TYPE	CONNECTOR TYPE	PERFORMANCE	FIBER COUNT	IP DUST CAP	IP DUST CAP
IP16C2	IP-16 Connector Gen 2	1 SM	01 1 Fiber	4.8 4.5 mm - 4.9 mm	None Without dust cap & tether
		2 MM		5.x 5.3 mm - 5.7 mm	
		6 SM APC PreAngle		6.0 5.8 mm - 6.2 mm	D With dust cap & tether
				7.0 6.8 mm - 7.2 mm	
				E 7.5 mm - 11 mm	

IP16C - SC101 - 4.8 - D ORDER CODE example

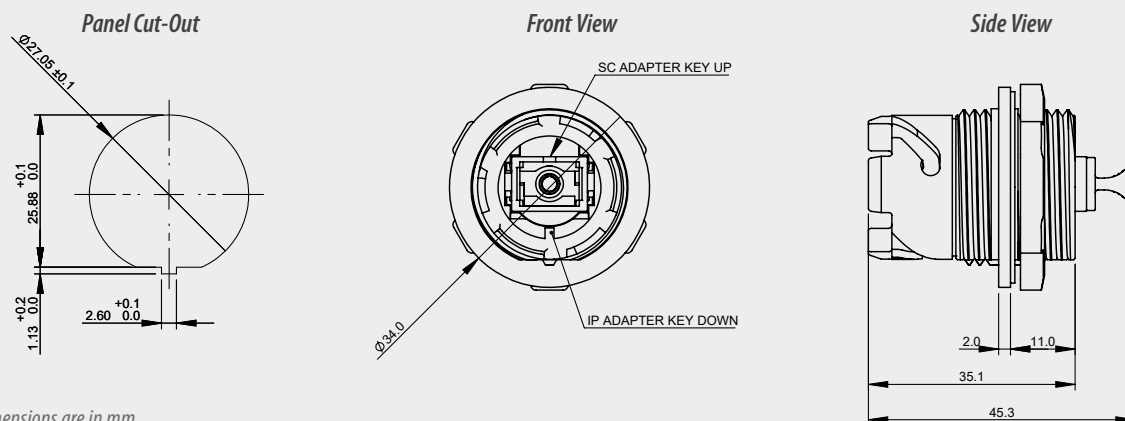
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IP-16 SC SERIES

Bulkhead and inline adapter

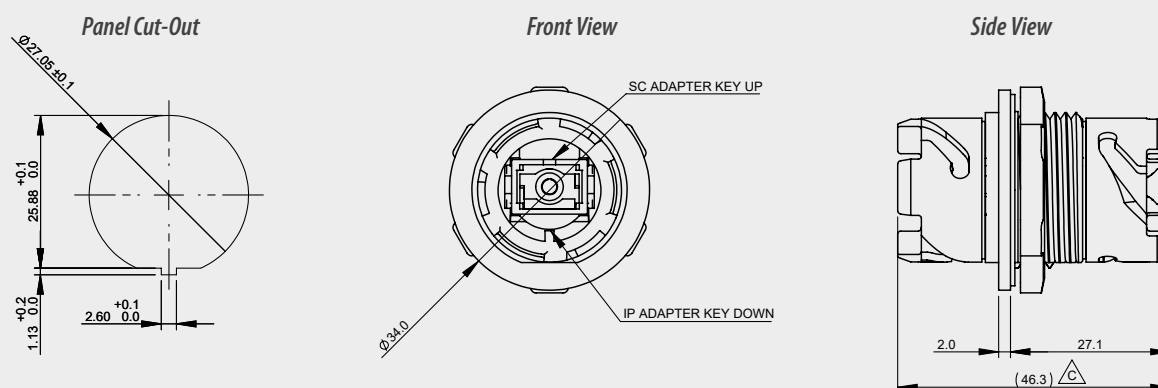
HARSH ENVIRONMENT SERIES DATA SHEET

Bulkhead Adapter Drawing



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

Inline Adapter Drawing



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

ORDERING



CODE	ADAPTER TYPE	SC ADAPTER COLOR	DUST CAP
IP-SC	LA Bulkhead	131 Black Adapter	D With
	LAI Inline		None Without

IP-SC - LA - 131 - D ORDER CODE example

SENKO[®]

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