SENKO®
Advanced Components

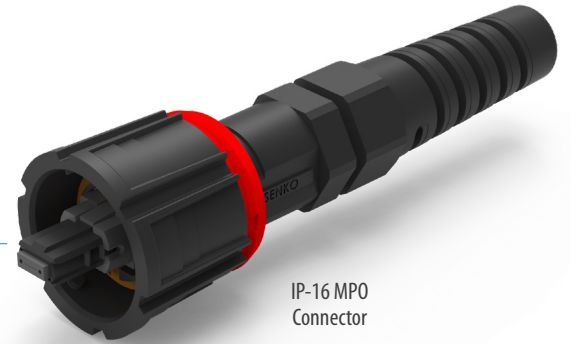# IP-16 *MPO SERIES*

Connector Bulkhead and Inline Adapter

Bulkhead Aapter

Inline Adapter

IP-16 MPO 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.

The IP-16 MPO Connector with various MT ferrule options enables quick and efficient cable installation such as trunk cables for the pre-connectorized fiber distribution terminal or SENKO's Plug & Play Fanout solutions.

Multi-fiber connectivity made for the harsh environment, as easy as traditional MPO connectors.

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
- 100lbs 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**
✔ **100lbf pull force**
✔ **Easy installation bayonet mechanism**

Mechanical Data

	Value
Durability	50 matings
Fiber Count	Multi-fiber (12/24 fibers)
Cable Suitability	4.5 - 11.0 mm round

Optical Data

	Singlemode		Multimode	
	APC		MM	
	Low Loss	Standard	Low Loss	Standard
Typical Insertion Loss (dB)* 12-fiber	0.10	0.20	0.08	0.15
Max. Insertion Loss (dB)* 12-fiber	0.25	0.70	0.25	0.50
Typical Return Loss (dB)* 24-fiber	0.15	0.25	0.15	0.20
Max. Insertion Loss (dB)* 24-fiber	0.35	1.00	0.35	0.50
Typical Return Loss (dB)*	≥60		≥25	

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

Environmental Data

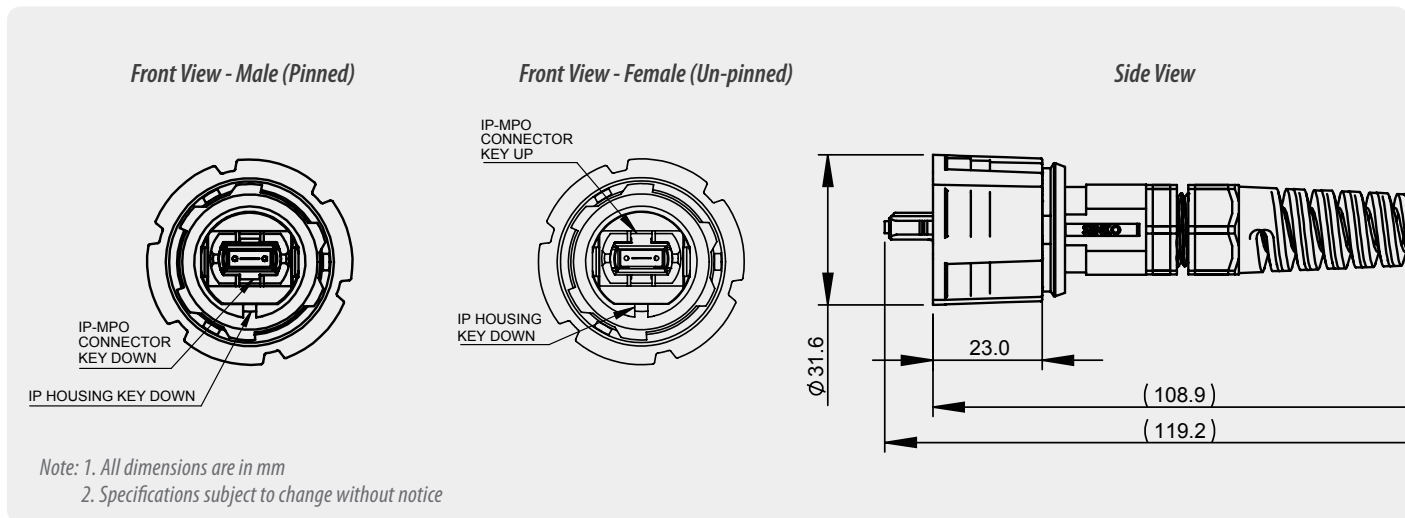|	Value
IP Rating*	IP68
Operating Temperature (C)	-40°C to +75°C
UV Resistance	Yes
RoHS Compliance	2015/863 RoHS
REACH Compliance	Yes

* 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.
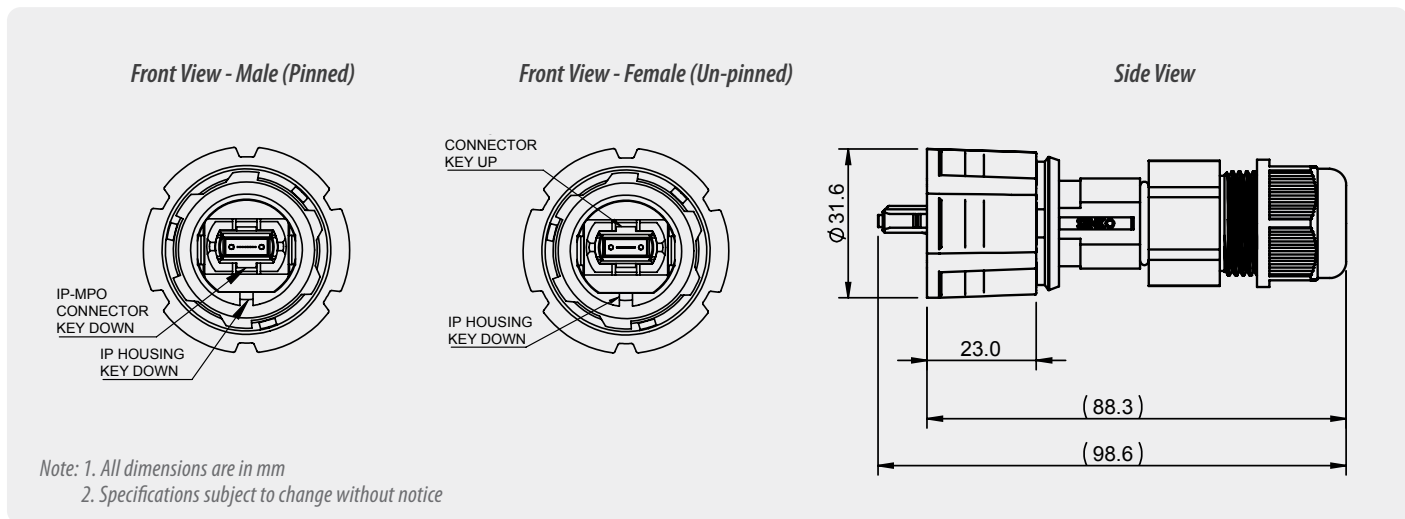
IP-16 *MPO SERIES*
Connector

Connector Drawing 4.5-7.2 mm Cable

Front View - Male (Pinned)

IP-MPO
CONNECTOR
KEY DOWN

IP HOUSING KEY DOWN

Front View - Female (Un-pinned)

IP-MPO
CONNECTOR
KEY UP

IP HOUSING
KEY DOWN

Side View

Ø 31.6

23.0

(108.9)

(119.2)

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

Connector Drawing 7.5 -11 mm Cable

Front View - Male (Pinned)

IP-MPO
CONNECTOR
KEY DOWN

IP HOUSING
KEY DOWN

Front View - Female (Un-pinned)

CONNECTOR
KEY UP

IP HOUSING
KEY DOWN

Side View

Ø 31.6

23.0

(88.3)

(98.6)

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

ORDERING

IP-16 MPO Connector
Female 12F

CODE	CONNECTOR TYPE		GENDER		NUMBER OF FIBERS		CRIMP SET		SAFE LOCK RING		DUST CAPS	
IP-MPO	**LMLL**	MM Los Loss	**F**	Female	**1**	12 Fibers	**4.8**	7.5 mm - 4.9 mm	**00**	With	**D**	With Dust Caps
	LMM	MM Standard	**M**	Male	**2**	24 Fibers	**5.x**	5.3 mm - 5.7 mm				
	LSLL	SM Los Loss					**6.0**	5.8 mm - 6.2 mm				
	LSM	SM Standard					**7.0**	6.8 mm - 7.2 mm				
							E	7.5 mm - 11 mm				

| IP-MPO | - | LSM | - | F1 | - | 4.8 | - | 00 | - | D | ORDER CODE example |

IP-16 *MPO SERIES*
Bulkhead and inline adapter
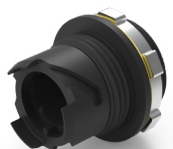
Bulkhead Adapter Drawing

Panel Cut-out   *Front View*   *Side View*   *Back View*

Note: 1. All dimensions are in mm
2. Specifications subject to change without notice
3. Tether not included

Inline Adapter Drawing

Panel Cut-out   *Front View Non-threaded Side*   *Side View*   *Front View Threaded Side*

Note: 1. All dimensions are in mm
2. Specifications subject to change without notice
3. Tether not included
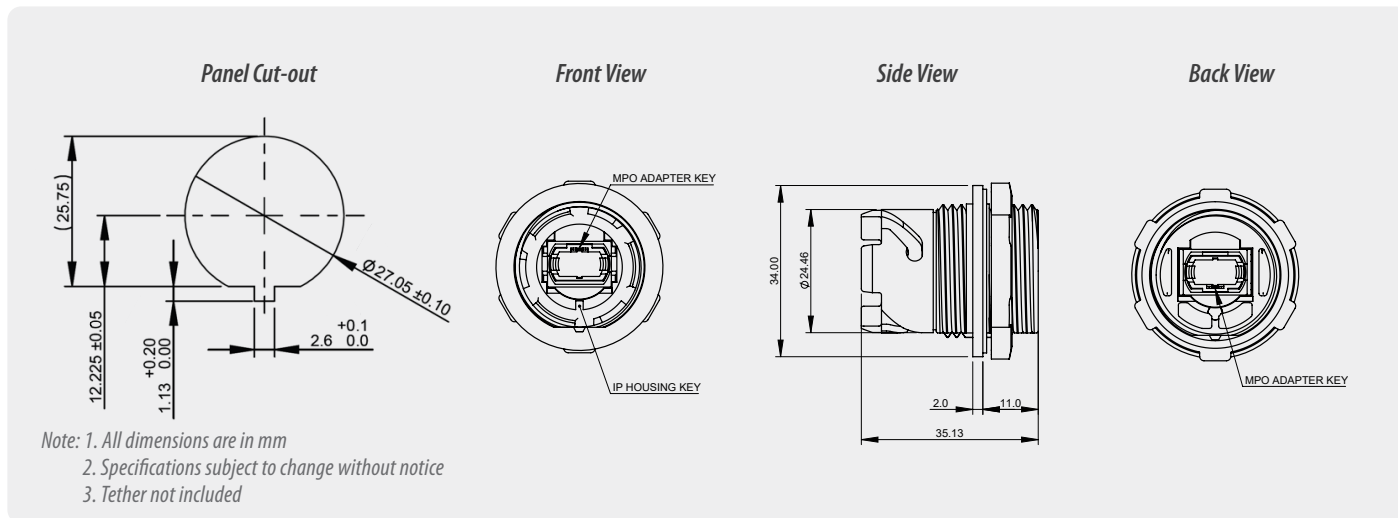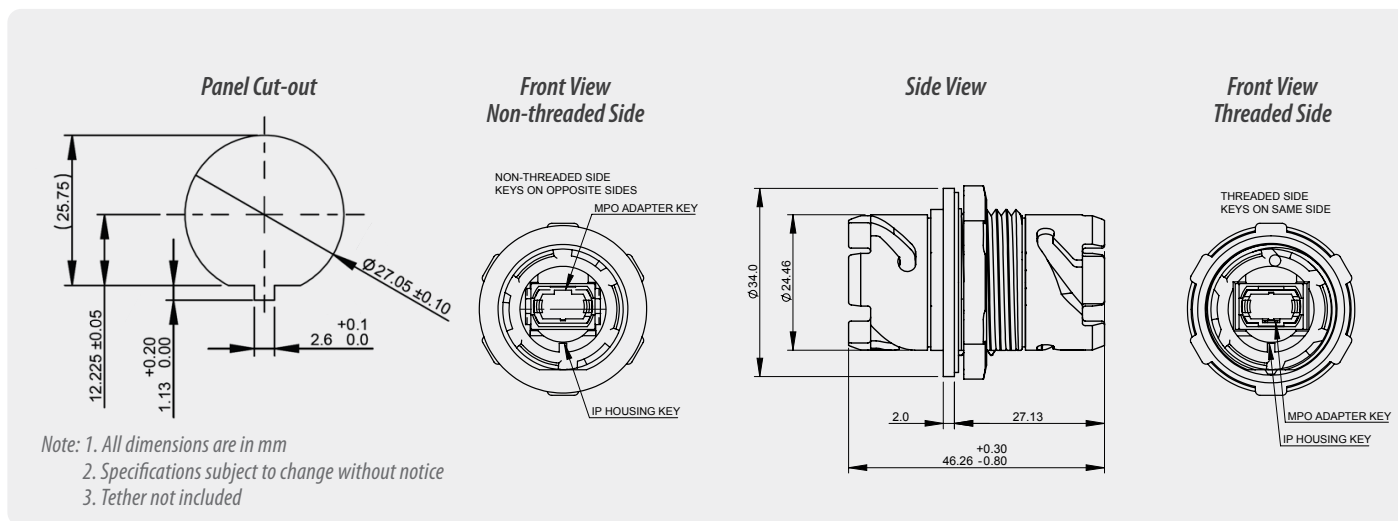
IP-16 MPO Bulkhead Adapter

IP-16 MPO Inline Adapter

CODE	ADAPTER TYPE		TYPE		DUST CAP	
IP-MPO	**LA**	Bulkhead Adapter	**779**	Black Universal	**D**	With Dust Cap
	LAI	Inline Adapter			**None**	WIthout Dust Cap

IPMPO - LA779 - D   ORDER CODE example

THIS PRODUCT MAY BE PROTECTED BY ONE OR MORE PATENTS. FOR FURTHER INFORMATION, PLEASE VISIT **SENKO.COM/PATENTS**

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