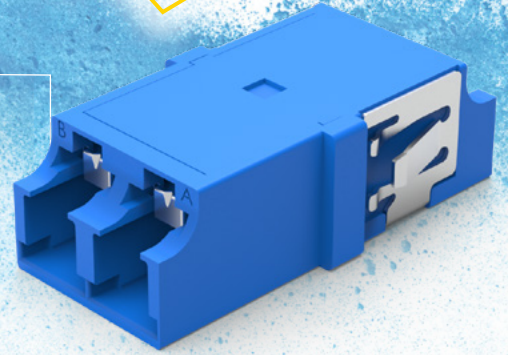**SENKO**®
Advanced Components

LC *INNER SHUTTER ADAPTER*
985 Series

Inner Shutter Detail

LC Inner Shutter Adapter

SENKO's LC Inner Shutter Adapter integrates a hands-free shutter mechanism that safeguards the connector behind the wall from dust contamination and attenuates laser light when the mated connector is removed. Designed for versatility, the duplex and quadruplex adapters fit panels with SC and SC DX footprints. The adapter ensures IP5X dust protection and meets IEC TR 62627-08 power compliance. It provides -29dB attenuation at 1310 nm for effective dust and light blocking, and features traceability with a visible light source.

The automatic shutter action is 100% hands-free, enhancing safety and convenience in optical networking environments. This makes the adapter a vital component for maintaining high standards of cleanliness and safety in a range of applications from data centers to telecommunication systems.

FEATURES

- IP5X dust protection
- Dust shutter attenuation
- Signal traceability
- 100% automatic shutter action
- Compatible with SC simplex footprint

APPLICATIONS

- Telecommunications
- Data centers
- Local area networks (LANs)
- Fiber to the home (FTTH)
- Enterprise networks
- Medical equipment
- Industrial applications
- Military and aerospace
- Broadcasting

KEY BENEFITS

- ✔ **Eye safety**
- ✔ **Space efficiency**
- ✔ **Reduced dust contamination**
- ✔ **Drop in replacable for SC simplex**
- ✔ **Signal Traceability**

LC *INNER SHUTTER ADAPTER*
985 series

Mechanical Data

	Value
Durability	500 matings
Fixing Method	Snap fit *(adapter without flange)* or screw and nut *(adapter with flange)*
Housing Material	Plastic
Alignment Sleeve Material	Zirconia
Dust Protection Method	Inner Shutter
Fiber Count	Duplex or quad *(2 or 4 channel)*
Dust shutter Mechanism	Non contact internal shutter

Optical Data

	Value
Typical Insertion Loss (dB)*	0.10
Max. Insertion Loss (dB)*	0.20

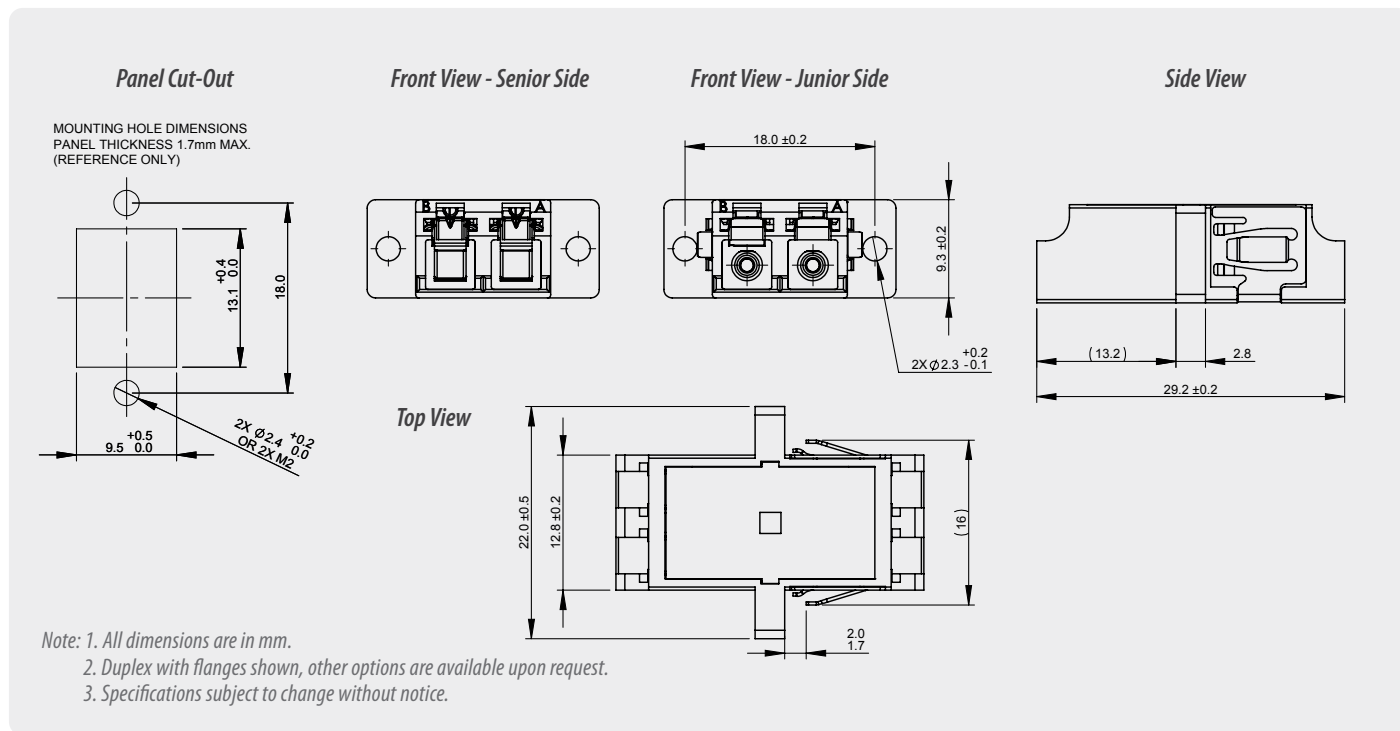** Based on master grade jumper to low loss random mating test*

Environmental Data

	Value
Operating Temperature	-40°C to +75°C
RoHS Compliance	Yes
REACH Compliance	Yes
Humidity Resistance	95%

LC *INNER SHUTTER ADAPTER*
985 series

Adapter Drawing
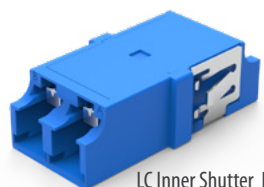
Panel Cut-Out

MOUNTING HOLE DIMENSIONS
PANEL THICKNESS 1.7mm MAX.
(REFERENCE ONLY)

13.1 $^{+0.4}_{0.0}$

18.0

9.5 $^{+0.5}_{0.0}$

2X Ø 2.4 $^{+0.2}_{0.0}$
OR 2X M2

Front View - Senior Side

B | A

Front View - Junior Side

18.0 ±0.2

B | A

9.3 ±0.2

2X Ø 2.3 $^{+0.2}_{-0.1}$

Side View

(13.2)   2.8

29.2 ±0.2

Top View

22.0 ±0.5

12.8 ±0.2

(16)

2.0
1.7

Note: 1. All dimensions are in mm.
  2. Duplex with flanges shown, other options are available upon request.
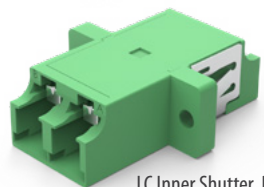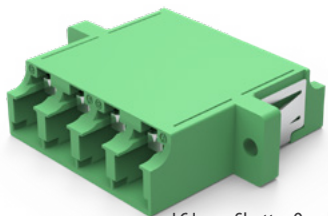 3. Specifications subject to change without notice.

LC Inner Shutter Duplex
Adapter with Flange

LC Inner Shutter Duplex
Adapter with Flange

LC Inner Shutter Quad
Adapter with Flange

ADAPTER TYPE		HOUSING COLOR		SLEEVE MATERIAL		LASER WARNING MARK	
985-3S	LC Inner Shutter Duplex Adapter with Flange	1	Blue	1	ZR	A	Without Mark
985-4S	LC Inner Shutter Duplex Adapter without Flange	2	Black			C	With Mark
985-5S	LC Inner Shutter Quad with Flange	3	Green				
985-6S	LC Inner Shutter Quad without Flange	5	Lime Green (OM5)				
		7	Violet (OM4)				
		8	Beige				
		9	Aqua (OM3)				

985-3S - 11A   ORDER CODE example

Accessories - Production/Cleaning

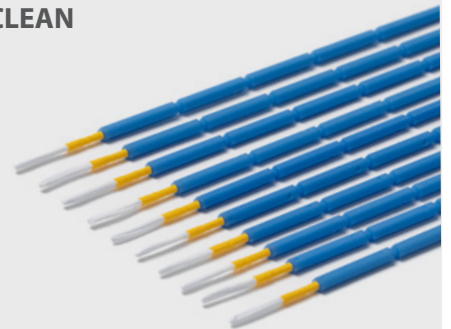**Smart Cleaner™**
Cassette
PN: SCK-CC-100
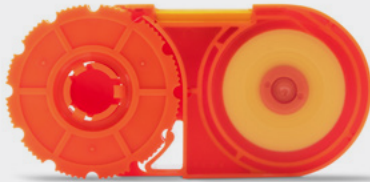
Smart Cleaner™
Mini 1.25 mm Clicker
PN: SCK-SS-M-C125
Refill PN: SCK-SS-CS-R

Smart Cleaner™
1.25 mm Clicker
PN: SCK-SS-CS
Refill PN: SCK-SS-CS-R

1.25 mm NEOCLEAN
Cleaning Stick
PN: CSK-01

Accessories - Interferometry

SUMIX Manta W+ Inspection Scope
PN: SMX-Manta-W+

SUMIX Max QM+ Inspection Scope
PN: MAX-Quantum

- Inspects 12 fiber in 2.6 seconds, 24 fiber in 4.5 seconds
- 0.5µm defect detection
- Inspection tips for MPO, CS, SN, LC available

- Inspects 12 fiber in 2.6 seconds, 24 fiber in 4.5 seconds
- 0.5µm defect detection

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