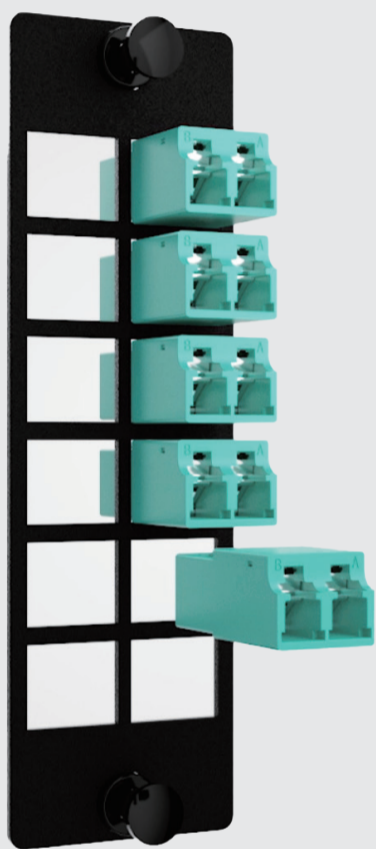


# LC Adapters with **Internal Shutter**

## Simplex / Duplex / Quad



### Introduction



The LC Shutter Adapter is a robust, user-friendly solution that protects fiber optic connections from dust and harmful light emissions. Its internal hands-free shutter automatically closes when the port is unused, eliminating the need for manual dust caps and reducing maintenance.

Ideal for environments with frequent unused ports, it helps ensure long-term system cleanliness and reliability.

High-precision zirconia ceramic alignment sleeves support optimal performance and full compatibility with Singlemode and Multimode connectors, making it a reliable and essential component in any fiber optic network.



Laser safety



IP5X Dust proof




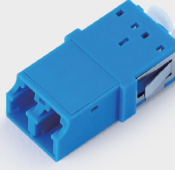



### Key Features

- IP5X dust proof
- 100% automatic shutter action
- Laser safety
- Easy and quick installation
- Shutter operates without contacting the ferrule endface.

#### Notes

The LC Shutter Adapter series offers consistent features across all members. The SC footprint (flangeless) and stepped adapters are used here to illustrate these characteristics.



LC Shutter Adapter Family				
Adapter				
Structure	Symmetric	Asymmetric	Asymmetric	Symmetric
Type	Simplex	Duplex Stepped	Duplex Stepped	Duplex SC Footprint
Housing Material	Plastic	Metal + Plastic	Plastic	Plastic
Flange	/	Flangeless	Flangeless	Short Flange
Patented	Yes	Yes	Yes	Yes
Adapter				
Structure	Symmetric	Symmetric	Symmetric	
Type	Duplex SC Footprint	Quad	Quad	
Housing Material	Plastic	Plastic	Plastic	
Flange	Flange	Short Flange	With Flange	
Patented	Yes	Yes	Yes	
Durability	500 cycles			
Sleeve Material	Ceramic			
Internal Shutter	Yes (Non-contact)			
Housing Colors	Blue, Green, Aqua, Magenta			
Installation	Snap mount or Screw-mount			

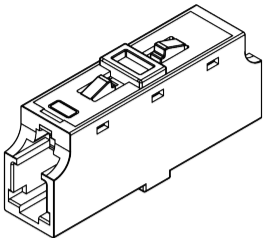
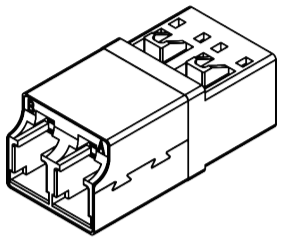
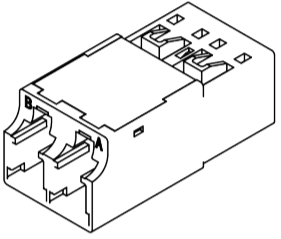
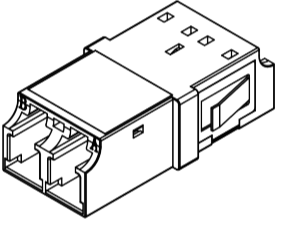
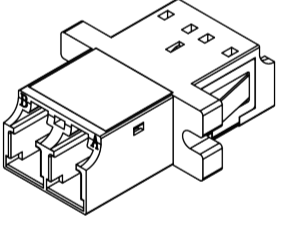
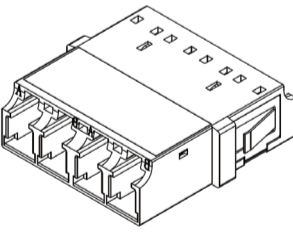
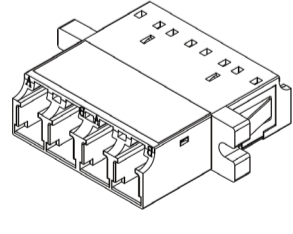
### Optical Performance

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

### Environment Data

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

## Ordering Information

Product Type	Part Number	Description
	AD.LC.BL-S-ZR-08	Adapter LC simplex, blue housing, white internal shutter, without flange
	AD.LC.GR-S-ZR-08	Adapter LC simplex, green housing, white internal shutter, without flange
	AD.LC.AQ-S-ZR-08	Adapter LC simplex, aqua housing, white internal shutter, without flange
	AD.LC.RS-S-ZR-08	Adapter LC simplex, magenta housing, white internal shutter, without flange
	AD.LC.BL-D-ZR-79	Adapter LC duplex, blue housing, white internal shutter, without flange, metal cover
	AD.LC.GR-D-ZR-79	Adapter LC duplex, green housing, white internal shutter, without flange, metal cover
	AD.LC.AQ-D-ZR-79	Adapter LC duplex, aqua housing, white internal shutter, without flange, metal cover
	AD.LC.RS-D-ZR-79	Adapter LC duplex, magenta housing, white internal shutter, without flange, metal cover
	AD.LC.BL-D-ZR-76	Adapter LC duplex, blue housing, white internal shutter, without flange, plastic cover
	AD.LC.GR-D-ZR-76	Adapter LC duplex, green housing, white internal shutter, without flange, plastic cover
	AD.LC.AQ-D-ZR-76	Adapter LC duplex, aqua housing, white internal shutter, without flange, plastic cover
	AD.LC.RS-D-ZR-76	Adapter LC duplex, magenta housing, white internal shutter, without flange, plastic cover
	AD.LC.BL-D-ZR-83	Adapter LC duplex, blue housing, white internal shutter, short flange, SC footprint
	AD.LC.GR-D-ZR-83	Adapter LC duplex, green housing, white internal shutter, short flange, SC footprint
	AD.LC.AQ-D-ZR-83	Adapter LC duplex, aqua housing, white internal shutter, short flange, SC footprint
	AD.LC.RS-D-ZR-83	Adapter LC duplex, magenta housing, white internal shutter, short flange, SC footprint
	AD.LC.BL-D-ZR-82	Adapter LC duplex, blue housing, white internal shutter, with flange, SC footprint
	AD.LC.GR-D-ZR-82	Adapter LC duplex, green housing, white internal shutter, with flange, SC footprint
	AD.LC.AQ-D-ZR-82	Adapter LC duplex, aqua housing, white internal shutter, with flange, SC footprint
	AD.LC.RS-D-ZR-82	Adapter LC duplex, magenta housing, white internal shutter, with flange, SC footprint
	AD.LC.BL-Q-ZR-83	Adapter LC Quad, blue housing, white internal shutter, short flange, SC footprint
	AD.LC.GR-Q-ZR-83	Adapter LC Quad, green housing, white internal shutter, short flange, SC footprint
	AD.LC.AQ-Q-ZR-83	Adapter LC Quad, aqua housing, white internal shutter, short flange, SC footprint
	AD.LC.RS-Q-ZR-83	Adapter LC Quad, magenta housing, white internal shutter, short flange, SC footprint
	AD.LC.BL-Q-ZR-82	Adapter LC Quad, blue housing, white internal shutter, with flange, SC footprint
	AD.LC.GR-Q-ZR-82	Adapter LC Quad, green housing, white internal shutter, with flange, SC footprint
	AD.LC.AQ-Q-ZR-82	Adapter LC Quad, aqua housing, white internal shutter, with flange, SC footprint
	AD.LC.RS-Q-ZR-82	Adapter LC Quad, magenta housing, white internal shutter, with flange, SC footprint