

## DUSTPROOF



### Dust and Laser Protection



The MPO Plus dust shutter adapter has been developed to meet new requirements in data center, Telecom, and harsh environment plug & play solutions, offering quick one handed MPO connectivity with automated dust protection.

Combined with the SC or LC Inner Shutter adapter it will be possible to develop a completely dust proofed modular solutions that offer plug and play upgrade paths to 100G and beyond.

The MPO dust shutter adapter offers a reliable and convenient solution to protection from dust contamination for MPO ports, whether they are frequently patched or let redundant for months or years.

As active devices used in today's networking and telecommunication platforms increase in power, eye safety is becoming ever more important. With the increase of "lit" MPO trunking it has become important to prevent ocular damage to operators handling MPO connections as the potential for injury from multiple fibers is greater



Dust Protection



Eye safety shutter

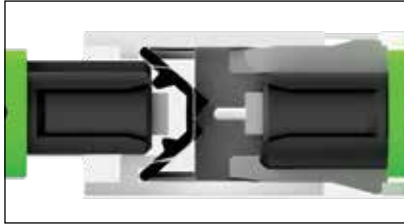
### FEATURES

- 100% automatic shutter mechanism requiring no operator handling of the shutter door
- No dust cap required on shutter side
- Unique twin door shutter closes to prevent any ingress of contamination
- Standard MPO Foot print
- Suitable for harsh environment

## MPO+PLUS® DUST SHUTTER ADAPTER Step by Step

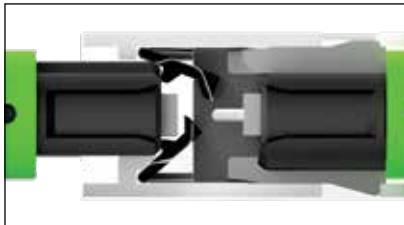
### BENEFITS

- Unique twin door shutter closes to prevent any ingress of contamination - **can be "installed and forgotten" at sites with poor dust control**
- 100% automatic shutter mechanism means **one handed connection**
- No dust cap required on shutter side - **reduced waste**
- Standard MPO Foot print - **fits all standard modules**
- Available in Black, Violet, Aqua, Lime, Green, and Gray colours - **easy identification of SM, OM3, OM4, OM5**
- Fully Meets GR-1435 Mechanical and Environmental requirements - **warranted reliability**
- Can be used in combination with the LC and SC Inner shutter adapter to create a fully dust protected plug and play solution - **Harsh Environment ready**
- Fully compliant with IEC dust testing standards
- Compatible with all Senko MPO+ connectors including HD



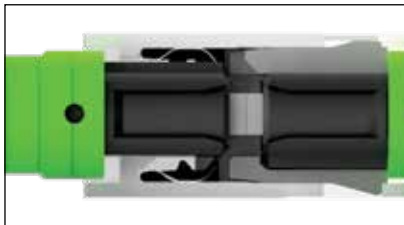
### ▶ 1 - Connector insertion

When the connector is inserted into the adapter it compresses the springs, opening the internal shutter.



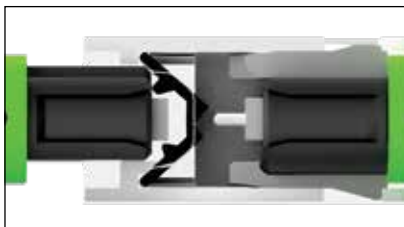
### ▶ 2 - Shutter opening

The internal shutter opens, and due to the special design of the shutter, it will **not touch the ferrule end face**.



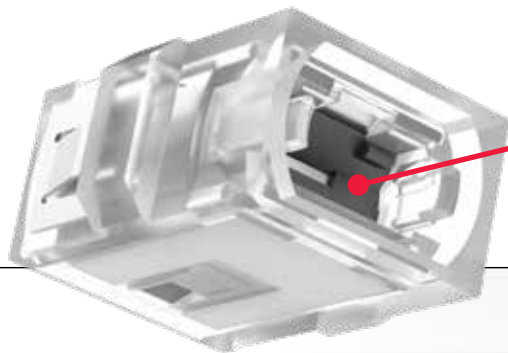
### ▶ 3 - Connector mated with adapter

The opening of the shutter allows for the ferrule to be inserted inside the adapter sleeve.



### ▶ 4 - Connector removal

As the connector is removed from the adapter, the shutter spring automatically returns the internal shutter to the closed position.



Automatic shutter mechanism

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