

## Optical Fiber Keystone Connector Modules

Signamax Connectivity Systems offers a wide range of keystone connector modules designed to create a customized multimedia solution in any single or double gang faceplate or surface mount box.

Optical Fiber Modules bring ST, SC, LC and MT-RJ fiber connectors to the workstation. Fiber couplers are provided with phosphor bronze sleeves suitable for both multimode and singlemode applications.

### KEY FEATURES

- Guaranteed to meet or exceed TIA-568-C.3 performance requirements
- Multi-purpose keystone design – equally suitable as a work area outlet and a patch panel port
- Available in OM1, OM2, OM3, and singlemode versions
- Adapters are equipped with phosphor bronze sleeves supporting both multimode and singlemode connections



### ORDERING INFORMATION

#### ST Optical Fiber Connector Modules

Part Number	Description
CMK-ST	ST MM/SM Keystone Connector Module
Standard color: <span style="background-color: #f0f0f0; padding: 2px;">Light Ivory</span>	
For other colors add the following to P/N: <span style="background-color: #cccccc; padding: 2px;">-BK (Black)</span> <span style="background-color: #cccccc; padding: 2px;">-GY (Gray)</span> <span style="background-color: #cccccc; padding: 2px;">-WH (White)</span>	



#### SC Optical Fiber Connector Modules

Part Number	Description
CMK-SC	SC MM/SM Keystone Connector Module
Standard color: <span style="background-color: #f0f0f0; padding: 2px;">Light Ivory</span>	
For other colors add the following to P/N: <span style="background-color: #cccccc; padding: 2px;">-BK (Black)</span> <span style="background-color: #cccccc; padding: 2px;">-GY (Gray)</span> <span style="background-color: #cccccc; padding: 2px;">-WH (White)</span>	



#### MT-RJ Optical Fiber Connector Modules

Part Number	Description
CMK-MTRJ	MT-RJ MM/SM Keystone Connector Module
Standard color: <span style="background-color: #f0f0f0; padding: 2px;">Light Ivory</span>	
For other colors add the following to P/N: <span style="background-color: #cccccc; padding: 2px;">-BK (Black)</span> <span style="background-color: #cccccc; padding: 2px;">-GY (Gray)</span> <span style="background-color: #cccccc; padding: 2px;">-WH (White)</span>	



#### LC Optical Fiber Connector Modules

Part Number	Description
CMK-LC	LC MM/SM Keystone Connector Module
Standard color: <span style="background-color: #f0f0f0; padding: 2px;">Light Ivory</span>	
For other colors add the following to P/N: <span style="background-color: #cccccc; padding: 2px;">-BK (Black)</span> <span style="background-color: #cccccc; padding: 2px;">-GY (Gray)</span> <span style="background-color: #cccccc; padding: 2px;">-WH (White)</span>	



#### Blank Keystone Module

Part Number	Description
CMK-BL	Blank Keystone Module
Standard color: <span style="background-color: #f0f0f0; padding: 2px;">Light Ivory</span>	
For other colors add the following to P/N: <span style="background-color: #cccccc; padding: 2px;">-BK (Black)</span> <span style="background-color: #cccccc; padding: 2px;">-GY (Gray)</span> <span style="background-color: #cccccc; padding: 2px;">-WH (White)</span>	



Optionally, SC and LC connector modules can be ordered with adapter body colors corresponding to the standard specifications:

OM1 Beige OM2 Black OM3 Aqua OS1 Blue

## Optical Fiber Keystone Connector Modules

### SPECIFICATIONS

- **TRANSMISSION PERFORMANCE**

ANSI/TIA-568-C.3: meets or exceeds performance specifications

- **TRANSMISSION MEDIA**

Multimode (OM1, OM2, OM3) and singlemode (OS1) optical fiber with 125 µm cladding diameter

- **CONNECTOR TYPE**

FOCIS-compliant ST, SC, MT-RJ, and LC

- **OPTICAL**

Insertion loss: 0.2 dB typical  
0.4 dB maximum  
Insertion loss increase after 500 mating cycles: 0.1 dB

- **CONSTRUCTION**

Housing: high impact thermoplastic, UL94V-0 fire retardant  
Alignment sleeve: phosphor bronze

- **MECHANICAL**

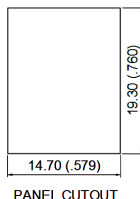
Alignment sleeve retention force: 200–600 gf  
Mating cycle life: min 500 cycles

- **FOOTPRINT**

Standard keystone footprint

- **MOUNTING DIMENSIONS:**

SC:	D 28 mm	H 19.3 mm	W 16.9 mm
	D 1.1 in	H 0.76 in	W 0.67 in
LC:	D 25 mm	H 19.3 mm	W 16.9 mm
	D 1.0 in	H 0.76 in	W 0.67 in
MT-RJ:	D 28 mm	H 19.3 mm	W 16.9 mm
	D 1.1 in	H 0.76 in	W 0.67 in
ST:	D 30 mm	H 19.3 mm	W 16.9 mm
	D 1.2 in	H 0.76 in	W 0.67 in



- **ENVIRONMENTAL CONDITIONS**

Storage: -40°C – +85°C (-40°F – +185°F)  
Operation: -40°C – +85°C (-40°F – +185°F)  
RH (operation): max non-condensing 93%

- **COMPLIANCE**

ANSI/TIA-568-C.3, FOCIS, UL 94V-0

- **APPLICATIONS**

FOIRL, 10BASE-FL, 10BASE-FB, 10BASE-SX, Token Ring 4/16, 100VG-Any LAN, 100BASE-FX, 100BASE-SX, FDDI, ATM 52/155/622, Fibre Channel 266/1062, 1000BASE-SX, 1000BASE-LX, 10GBASE-S, 10GBASE-L, 10GBASE-E, 10GBASE-LX4

- **WARRANTY**

5-year limited component warranty  
10-year Signamax Link/Channel Warranty  
15-year Signamax Extended Component Warranty  
25-year Signamax Cabling System Warranty

### RELATED PRODUCTS

#### Product/Product Group

Keystone Faceplates  
106-Type and Decora Faceplates and Adapters  
Modular Furniture Keystone Adapters  
Surface Mount Multimedia Boxes  
Multimedia Patch Panels