

Optical Matrix Switch S3 Series



Key Features

- Fast switching time
- Non-blocking bidirectional
- No wear out
- Simple and easy GUI
- RS-232 and Ethernet SCPI Interface

Overview

The **PhotonCom Optical Matrix Switch S3 Series** uses a non-blocking bidirectional architecture. This programmable switch can be controlled using the front panel keys or via RS-232 and Ethernet. The **S3 series** is offered in configuration of 4x4, 4x8 and 8x8 all built into a compact 1U standard 19" rackmount chassis. Its switching system allows for a longer operational life, as well as reducing risk of downtime associated with any electromechanically driven assembly. It is an affordable solution for replacing aging electromechanical switches.

Applications

- Fiberoptic components measurement
- Connection to multiple test equipment
- Multi-unit testing
- Manufacturing
- Research and development
- Telecommunication environment

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Optical Specifications

	Unit	Min	Typ	Max
Wavelength range	nm	1240		1640
Insertion loss, 4X8 and 8X8 ¹	dB		2	4
Insertion loss, 4X4 ¹	dB		1.2	2.0
Crosstalk	dB	50	75	
Return loss	dB		43/60 ²	
Switching time	ms		3	10
Repeatability ³	dB			±0.01
Polarization dependent loss	dB		0.07	0.2
Durability	cycles		No wear out	
Max optical power per port	dBm			23

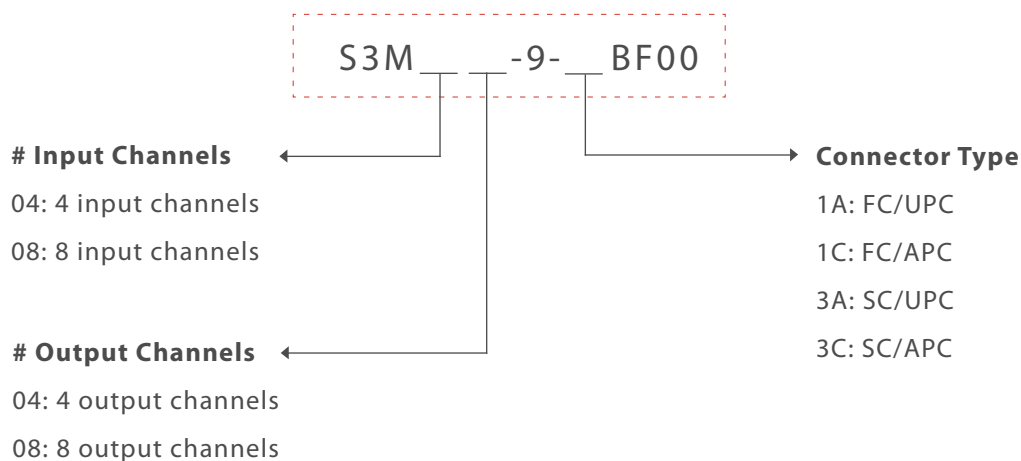
¹ Value at 25°C, without connectors.

² Straight connector / Angled connector

³ For constant temperature and polarization

> Product specifications and descriptions provided in this document are subject to change without notice.

Ordering Information



> Example: S3M-0808-9-1CBF00

> Custom configurations available upon request.