

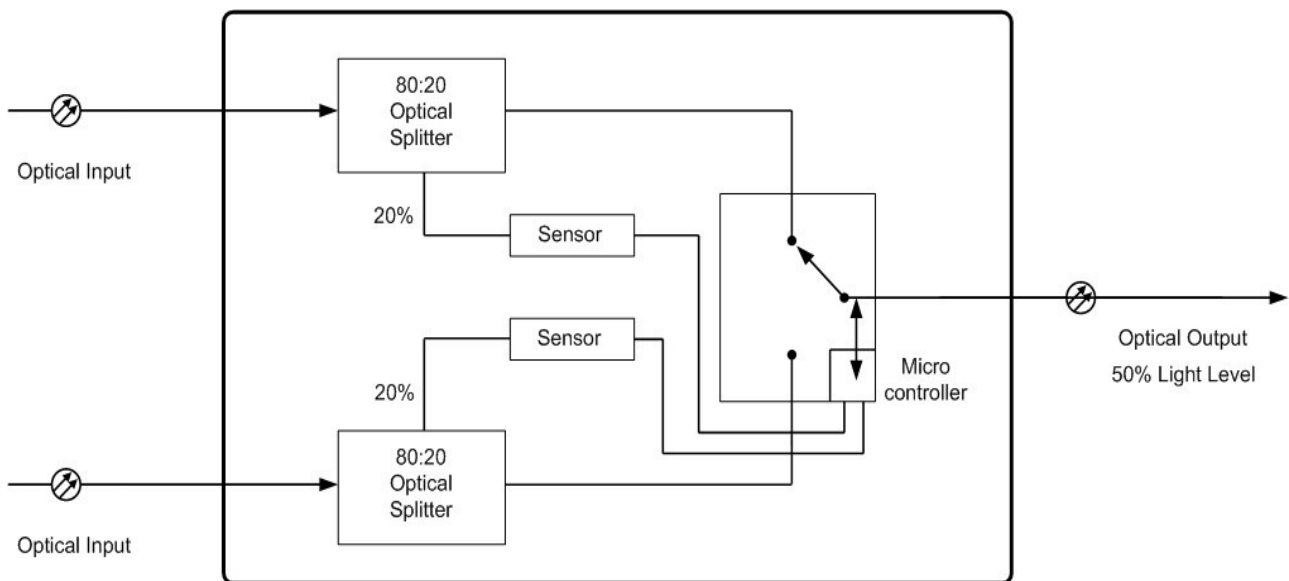
## BC Series Modular Fibre Optic Interface System



### Description:

- Optical switch designed to provide automatic redundancy in fibre installations
- Accepts two optical inputs (A and B) and switches based on light level detection
- Automatically switches to reserve path upon signal loss on main input
- Sensitivity threshold for switchover is user-configurable
- Ideal for protecting against fibre or connector faults in critical signal paths
- Typically used with a BCSPLIT to deliver a 50:50 optical feed over two fibres
- Compatible with other splitter ratios for different light level requirements
- Occupies a single slot in any BC Series 19" rack-mounting frame
- Available in rugged enclosure for stand-alone applications

### BC2x1SW : Optical Switch for Diverse Routing



## Specifications

### Optical Input

Connector	1 x female FC/PC, ST or SC See Ordering Information
Wavelength	1200-1610 nm
Sensitivity	> -20 dBm @ 1.485 Mb/s > -25 dBm @ 270 Mb/s
Max I/P power	> -1 dBm
Data rate	Transparent

### Optical Output

Connector	1 x female FC/PC, ST or SC See Ordering Information
Wavelength	1310 nm, 1550 nm See Ordering Information
Optical Power	-14 dBm @ 850 nm -6 dBm @ 1310 nm -6 dBm @ 1510 nm
No. of slots	1

### General Specifications

Depth	60 mm
Width	20 mm 4TE
Height	100 mm 3RU
Weight	100 g
Operating Temp	-30 to +70 °C
Power	2.2 W
Signal Detect	LED on for signal loss

### Conformance

EMI/RFI	Complies with 89/336/EEC,
Electrical	Complies with EN61000-6-1, EN61000-6-2,
Laser Safety	Complies with Class 1 laser product 24 CFR 1040.10 & 1040.11
RoHS	Complies with Directive 2002/95/EC
Warranty	5 Years

## Ordering Information

BC2x1SW 2 input, 1 output optical switch

**The standard connector used is FC/PC. Contact the Sales Office for alternatives. Universal Chassis and Power Supplies**

#### BC100-3RU

19" 3RU Chassis for up to 15 BCxxx Cards with optional Network Monitoring and facility for Dual Redundant Power Supplies (not supplied).

#### BC100-3RU/48V

19" 3RU Chassis for up to 15 BCxxx Cards with optional Network Monitoring and facility for Dual Redundant Power Supplies (not supplied). Fitted with 48V dc input.

BM100

Network Monitoring Card with GPI Output on a SCSI Connector for Slot-16

BM101

Network Monitoring Card with Ethernet connection for Slot-16

BC140

Extender Card for BC100 3RU Chassis

PS65

90-250VAC Power Supply for BC100-3RU or BB100-3RU Chassis

#### BC160

19" 1RU Chassis for up to 6 BCxxx Cards. Includes Dual Redundant Power Supplies.

BC110

Single Slot Chassis with Universal Mains Power Supply

BC120

Triple Slot Chassis with Universal Mains Power Supply

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