

Fiber Optic Amplifier Communication Converters

BFC Series



Features

- Sets all Functional performance and parameters from external devices (PC, PLC)
- Supports various communications:
RS485 communication,
Serial Communication, SW input
- Connected up to 32 amplifiers (BF5 series)
- Slim design with depth 10 mm
(W 10 × H 30 × L 70 mm)

Specifications

Model	BFC-□
Supported amplifier	BF5 Series
Comm. function	RS485, Serial communication, Switch (SW) input
Switch (SW) input	HIGH: 5-24 VDC≒, LOW: 0-1 VDC≒
Function	Real-time monitoring (incident light level, output state), Executes all functions and sets the parameters of BF5 Series via external devices (PC, PLC)
Indicator	TX indicator (red), RX indicator (green), display screen (PV display part: red LED, SV display part: green LED)
Approval	CE ENEC
Unit weight	≈ 15 g
Power supply	12-24 VDC≒ ±10% (using the power supply of the connected amplifier)
Current consumption	≤ 40 mA
Control output	NPN solid-state input / PNP solid-state input model
Vibration	1 mm double amplitude at frequency 10 to 55 Hz (for 1 min) in each X, Y, Z direction for 2 hours
Shock	500 m/s ² (≈ 50 G) in each X, Y, Z direction for 3 times
Ambient temperature	-10 to 50 °C, storage: -20 to 60 °C (no freezing or condensation)
Ambient humidity	35 to 85%RH, storage: 35 to 85%RH (no freezing or condensation)
Protection rating	IP40 (IEC standard)
Connection	Connector cable
Cable spec.	Ø 4 mm, 4-wire, 2 m
Wire spec.	AWG22 (0.08 mm, 60-core), insulator outer diameter: Ø 1.25 mm
Material	Case: PBT, cover: PC
Comm. protocol	Modbus RTU



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