San Telequip (P) Ltd.,
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SAN TELEQUIP

Connecting Converting Leading !

Fiber Optic to RS232/RS485/RS422 Converter, Model SC09FSS AC I

SC09FS series of converters are an ideal choice for connecting devices situated in environments where electromagnetic & radio frequency is a major concern. They economically & efficiently extend the Serial port over a distance up to 2 Km over Multi-mode fiber or up to 20Km over Single-mode fiber. The converter is equipped with multiple interface circuit such as RS232, RS422, RS485 (2 or 4 wire). It secures data transmission at speeds up to 115.2kbps for RS232, or up to 500Kbps for RS422 / 485. SC09FSS I has the added advantage of AC Internal supply and comes with DIN support as default. DC supplies are also available as options

Technical Specification

Model Type	Fiber Cable	Wave Length (nm)	Distance
Multimode	50 / 125, 62.5 / 125, or 100 / 140μm	1310	2 Km
Single Mode	8.3 / 125, 8.7 / 125, 9 / 125 or 10 / 125μm	1310 (default), 1550	20Km. Min 1 Km. Max 100Km as Options

RS232 Signals   : Rx, Tx, Gnd
RS485/422 Signals   : D+, D-, Tx+, Tx-, Rx+, Rx-
Data Rate   : Upto 460kbps for RS485/RS422 & 115kbps for RS232

Connector details   : Multimode : SC/ST, Singlemode : SC/ST
                       : 9 Pin Industrial Screw type for Serial Port

Connection Modes   : Peer to Peer and Supports Multidrops

LED Indications   : TXD, RXD, FAULT, PWR

Transmit Power   : -5.5 dBm
Receive Sensitivity   : -18 dBm

Power Supply   : 230V AC. Range 90V AC to 264V AC. 50 to 60Hz
                       : 110 or 220V DC option
Connector   : 3 Pin Screw type terminal
Power Consumption   : 35 mA @ 220V AC
Protection   : 4KV EFT Protection, 2KV Surge Protection

ESD Protection   : 15KV
Surge Protection   : 600W

Operating Temp   :-10 to 75°C
Humidity   : 5% to 90% Rh non condensing
Dimension   : 150mm (H) * 100mm (D) * 30mm (W)
Mounting   : DIN rail
Ingress Protection   : IP30

NOTE : All Serial to Fiber Media Converters need to be used in Pairs and of the same makes

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Model Selection Chart	
Model Code	**: SC09FSS M/S000 ST/SC A/DXXX I**
Basic Model	: SC09FSS
FO Mode	: M/S : M : Multi Mode, S : Single Mode
	: 000 : 020, 040, 060 …. Km
	: **20Km @ 1310nm as default. 1310/1550 for higher distance.**
	Pls specify during enquiry
Connector	: ST/SC : ST : ST, SC : SC Type Connector
Power Supply	: A : 230V AC, Range 90V to 264 VAC
	: DXXX : 110 or 220V DC
	: I : Internal Supply