



RS232/RS485/RS422 TO FIBER OPTIC CONVERTER

MODEL DDMCSF SERIES



SYNOPSIS

- DDMCSF 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 100KM 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.

TECHNICAL SPECIFICATIONS

Model Type	Fiber Cable	Wave Length (nm)	Tx Power db.	Rx Sensitivity db.	Distance
Multi mode	50 / 125, 62.5 / 125, or 100 / 140µm	1310	> -10	< -18	2 Km
Single mode	8.3 / 125, 8.7 / 125, 9 / 125 or 10 / 125µm	1310. 1550 nm for higher distance	> -8	< -20	Default : 20Km Up to 100Km options Min 1 Km

PARAMETER

RS232 Signals	Rx, Tx, Gnd
RS485/422 Signals	D+, D-, Tx+, Tx-, Rx+, Rx-
Data Rate	Up to 460kbps for RS485/RS422 & 115kbps for RS232
Connector details	Multimode: SC/ST/FC Single mode: SC/ST/FC 7 Pin Industrial Screw type for Serial Port
Connection Modes	Peer to Peer and Supports Multidrop
LED Indications	FAULT, PWR, RXD, TXD
IP Classification	IP20

ENVIRONMENT

Ambient Temp	0 deg to 70 deg Celsius
Humidity	5% to 90% Rh non condensing

POWER SUPPLY

Supply	9 to 48V DC, Industrial Screw type connectors and 230V External Adapter provision
Power Consumption	350mA @ 9V DC
Reverse Polarity Protection	Yes
ESD Protection	15KV
Surge Protection	600W

MECHANICALS

Dimension H×W×D	97mm * 65mm * 22mm (L*B*H)
Weight	120 gm

ORDERING CODE

DDMCSF M/SXXX SC/ST 24 S

DDMCSF	Base Model	
M/SXXX	M	Multimode
	S	Single Mode
		XXX = 20, 40, 60, 80, 100 Kms for Single Mode
SC / ST	SC	SC Connector
	ST	ST Connector
24	Supply Voltage: 24VDC (Range 9 to 48VDC)	
	Fixed	
S		

SPECIAL NOTE

1. All Serial to Fiber Media Converters need to be used in Pairs and of the same makes
2. 3 Pin Adapter is not included as a standard supply. Need to be purchased separately
Specification: Input 230V AC, Range 110V AC to 260V AC. Output 9V DC, 1 Amp

AVAILABLE MODELS

DDMCSF S020 SC 24 S	Serial to Fiber Optic Converter, Singlemode-20Km, SC Connector, Supply 24 Vdc
DDMCSF S020 ST 24 S	Serial to Fiber Optic Converter, Singlemode-20Km, ST Connector, Supply 24 Vdc
DDMCSF M SC 24 S	Serial to Fiber Optic Converter, Multimode SC Connector, Supply 24 Vdc
DDMCSF M ST 24 S	Serial to Fiber Optic Converter, Multimode ST Connector, Supply 24 Vdc