

RS232/422/485 to simplex fiber SC Media Converter, 20km reach over single SMF 1310nm TX/1550nm RX extended temp



## FOACCVSESC020A

### Features

- Protocol transparent, suitable for all serial transmission protocols (RS485/422/232)
- Supports baud rates from 50 to 1024kbps
- Extends serial transmission up to 20km over single single mode fiber
- Supports relay output for power or link failure warning
- Operating Temperature range:-40 to 75°C
- IP30 Fanless, DIN-Rail design for industrial deployments

### Applications

- Industrial automation
- Discrete manufacturing
- High volume production
- Automotive manufacturing
- Stamping and plastic injection molding
- Packaging
- Food and Beverage

### Description

The L-com FOACCVSESC020A is a RS232/422/485 to simplex SC connector fiber media supporting a 20km reach bidirectionally, over single mode fiber, utilizing a 1310nm transmitter with a 1550nm receiver, over an extended temperature range. The FOACCVSESC020A features 12/24/48VDC Redundant dual power Inputs and is Protocol transparent, suitable for all serial transmission protocols (RS485/422/232). The L-com FOACCVSESC020A supports baud rates from 50 to 1024kbps, and has an operating temperature range of -40 to 75°C. The FOACCVSESC020A features a hardened housing with IP30 protection, suitable for DIN-rail mounting. The L-com FOACCVSESC020A is one of thousands of fiber optic connectivity products available from L-com, in-stock and ready to ship. Contact our knowledgeable technical support and sales staff for your answers on fiber optic connectivity or other L-com products.

### Configuration

Serial Type	FieldBus
Protocol Support	Protocol transparent, suitable for all serial transmission protocols (RS485/422/232)
Serial Channels	Dual Channel
Communication Mode	Triple way, two way
Serial Port 1	9-Pin D-Subminiature
Protocol Port 1	RS-232
Serial Port 2	5 Pin Terminal
Protocol Port 2	RS-422/RS-485
Baud Selection	automatic
Ports	3
Fiber Connector	SC
Fiber Count	Simplex

### Specifications

Description	Minimum	Typical	Maximum	Units
Extension Distance			20	Km
DC Output Current			1	A
Serial Port Isolation		2.5		kV

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[RS232/422/485 to simplex fiber SC Media Converter, 20km reach over single SMF 1310nm TX/1550nm RX extended temp FOACCVSESC020A](#)

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## FOACCVSESC020A

Baud Rate

50 to 1024kbps

Electrical Notes: 12/24/48VDC Redundant dual power Inputs

### Mechanical

#### Dimensions

Length	4.17 in [105.92 mm]
Width	1.52 in [38.61 mm]
Height	5.59 in [141.99 mm]
Weight	1.39 lbs [630.49 g]
Electrical Connector	9-Pin D-Subminiature Female
Optical Connector	SC Female
	Simplex Bidi mode A
Mount Type	DIN Rail Mount
Serial Port	5 Pin Terminal

### Environmental Specifications

#### Temperature

Operating Range	-40 to +75 deg C
Storage Range	-40 to +85 deg C
Humidity	5 to 95% RH
Shock	IEC 60068-2-27
IP Rating	IP30

### Plotted and Other Data

Notes:

RS232/422/485 to simplex fiber SC Media Converter, 20km reach over single SMF 1310nm TX/1550nm RX extended temp from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to impliment improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

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L-com CAD Drawing

