

RS485 to duplex fiber SC Media Converter, 2km reach over MMF 1310nm supporting Profibus



## FOACCVSPESC020

### Features

- Protocol transparent, suitable for PROFIBUS and all RS485 operations
- Supports bauds rates from 9.6kbps to 12Mbps
- Extends serial transmission up to 2km over multimode fiber
- Supports relay output for power or link failure warning
- Operating Temperature range:-10 to 60°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 FOACCVSPESC020 is a RS485 to duplex SC connector fiber media supporting a 2km reach over multimode fiber, operating at 1310nm supporting Profibus. The FOACCVSPESC020 features 12/24/48VDC Redundant dual power Inputs and is Protocol transparent, suitable for PROFIBUS and all RS485 operations. The L-com FOACCVSPESC020 supports baud rates from 9.6kbps to 12Mbps, and has an operating temperature range of -10 to 60°C. The FOACCVSPESC020 features a hardened housing with IP30 protection, suitable for DIN-rail mounting. The L-com FOACCVSPESC020 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

|                  |  |
|------------------|--|
| Protocol Support | Protocol transparent, suitable for PROFIBUS and all RS485 operations |
| Serial Port 1    | 9-Pin D-Subminiature   |
| Protocol Port 1  | RS-485   |
| Ports            | 2  |
| Fiber Connector  | SC   |
| Fiber Count      | Duplex   |

### Specifications

| Description        | Minimum | Typical | Maximum           | Units |
|--------------------|---------|---------|-------------------|-------|
| Extension Distance |         |         | 2                 | Km    |
| DC Output Current  |         |         | 1                 | A     |
| Baud Rate          |         |         | 9.6kbps to 12Mbps |       |

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

### Mechanical

#### Dimensions

Length 3.35 in [85.09 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[RS485 to duplex fiber SC Media Converter, 2km reach over MMF 1310nm supporting Profibus FOACCVSPESC020](#)

RS485 to duplex fiber SC Media Converter, 2km reach over MMF 1310nm supporting Profibus



## FOACCVSPESC020

|                      |                             |
|----------------------|-----------------------------|
| Width                | 1.18 in [29.97 mm]          |
| Height               | 4.53 in [115.06 mm]         |
| Weight               | 0.65 lbs [294.84 g]         |
| Electrical Connector | 9-Pin D-Subminiature Female |
| Optical Connector    | SC Female                   |
|                      | Duplex Single Mode          |
| Mount Type           | DIN Rail Mount              |

### Environmental Specifications

#### Temperature

|                 |                  |
|-----------------|------------------|
| Operating Range | -10 to +60 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:

RS485 to duplex fiber SC Media Converter, 2km reach over MMF 1310nm supporting Profibus 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.

# RS485 to duplex fiber SC Media Converter, 2km reach over MMF 1310nm supporting Profibus

## L-com CAD Drawing

