

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



FOACCVSPEST020

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 FOACCVSPEST020 is a RS485 to duplex ST connector fiber media supporting a 2km reach over multimode fiber, operating at 1310nm supporting Profibus. The FOACCVSPEST020 features 12/24/48VDC Redundant dual power Inputs and is Protocol transparent, suitable for PROFIBUS and all RS485 operations. The L-com FOACCVSPEST020 supports baud rates from 9.6kbps to 12Mbps, and has an operating temperature range of -10 to 60°C. The FOACCVSPEST020 features a hardened housing with IP30 protection, suitable for DIN-rail mounting. The L-com FOACCVSPEST020 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	ST
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 ST Media Converter, 2km reach over MMF 1310nm supporting Profibus FOACCVSPEST020](#)

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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	ST 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 ST 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.

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L-com CAD Drawing

REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	1/6/2022
		APPROVED PHOSPODAR

WITH MOUNTING BRACKET

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

.X = ±.2 [5.08] FRACTIONS ± 1/32

.XX = ±.02 [.51] ANGLES ± 1°

.XXX = ±.005 [.13] CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = ±1 [25] / -0

12 [305] < L ≤ 60 [1524] = ±2 [51] / -0

60 [1524] < L ≤ 120 [3048] = ±4 [102] / -0

120 [3048] < L ≤ 300 [7620] = ±6 [152] / -0

300 [7620] < L = +5%L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

THE INFORMATION AND DIMENSIONS SHOWN ARE THE PROPERTY OF L-COM GLOBAL CONNECTIVITY. ALL RIGHTS RESERVED.

SHEET 1 OF 1

SCALE N/A

ITEM NO. FOACCVSP020

REV A

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