

RS232/422/485 to duplex fiber ST Media Converter,
2km reach over MMF 1310nm extended temp



FOACCVSEST002

Features

- Protocol transparent, suitable for all serial transmission protocols (RS485/422/232)
- Supports bauds rates from 50 to 1024kbps
- Extends serial transmission up to 2km over multimode 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 FOACCVSEST002 is a RS232/422/485 to duplex ST connector fiber media supporting a 2km reach over multimode fiber, operating at 1310nm, over an extended temperature range. The FOACCVSEST002 features 12/24/48VDC Redundant dual power Inputs and is Protocol transparent, suitable for all serial transmission protocols (RS485/422/232). The L-com FOACCVSEST002 supports baud rates from 50 to 1024kbps, and has an operating temperature range of -40 to 75°C. The FOACCVSEST002 features a hardened housing with IP30 protection, suitable for DIN-rail mounting. The L-com FOACCVSEST002 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	ST
Fiber Count	Duplex

Specifications

Description	Minimum	Typical	Maximum	Units
Extension Distance			2	Km
DC Output Current			1	A
Serial Port Isolation		2.5		kV
Baud Rate			50 to 1024kbps	

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 duplex fiber ST Media Converter, 2km reach over MMF 1310nm extended temp FOACCVSEST002](#)

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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	ST Female
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 duplex fiber ST Media Converter, 2km reach over MMF 1310nm 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 implement 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]
12 [305] < L ≤ 60 [1524]	± .2 [51]
60 [1524] < L ≤ 120 [3048]	± .4 [102]
120 [3048] < L ≤ 300 [7620]	± .6 [152]
300 [7620] < L	± .5% L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	DMAY	FOACCVSEST002	A

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