

DYMEC - DY-5844-C39S

Single-mode Fiber Data Link
Serial Data Links (RS-232/422/485 Opto-Isolator & Media Converter

Serial Data Links for Sub-stations & Power Switch Gear

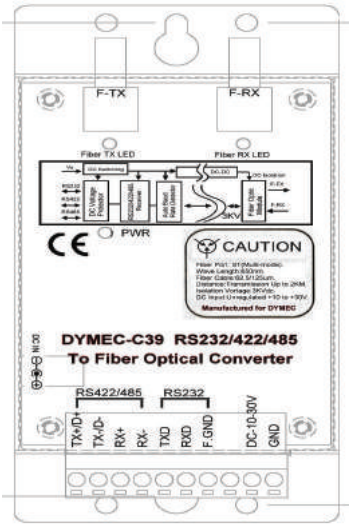
DY-5844-C39S:* *Temperature Hardened fiber optic Serial Link / Repeaters that convert RS232 or TTL level copper to amplitude based fiber signaling.

The **DYMEC DY-5844-C39S Serial Link** - fiber converter allows RS-232 /422 /485 signals to be bi-directionally converted to fiber optic signaling and extend the distance to < 40 KM over Single-mode fiber. By using fiber optic transmission technology, the **DYMEC DY-5844-C39S** provides a stable and error free data transmission within industrial environments that present electrical noise & ground differential challenges, especially over long distances. The **DYMEC DY-5844-C39S** supports multiple data formats, baud rates, data direction & Auto-configuration. The **DYMEC DY-5844-C39S** provides superior 3000 Volt DC Isolation, combined with internal surge protection. The best in Power Control SCADA Applications



Fully Shielded - No Air Vents
5 Year Warranty

20 KV ESD Protection for Serial Signals



SPECIFICATIONS:

* Power Input Voltage: +10 to +30 Volts DC
* Interface: RS 232 / 422 / 485 auto switching to SC Fiber (Single-Mode)
* Class 1 Division 2, Military Grade, Switch Gear Certified (Single-mode).
* RS-232: 3 full-duplex (TXD, RXD, GND).
* RS-422: Differential 4 full-duplex wires (TX+, RX+, TX-, and RX-).
* RS-485: Differential 2 half-duplex wires (D+, D-).

Cable: Fiber ST Connector / Cable (9/125um).

* Wavelength: 1310 (FPLD) nanometers. (nm) <40 KM
* Distance: RS-422/485 up to 4000ft. (1250M), and Fiber 40 KM.
* Baud Rate: From 300bps to 115.2kbps (maximum).
* Connection type: Screw terminal for maximum AWG # 12~30.
* Signal LED: Power on, TX, RX.
* Power supply: Screw terminal, or standard external DC adapter.
* Power consumption: 1.6W.
* Isolation Voltage: 3000V DC, Fully Surge Protected
* Operating temperature: -40 to +85 C.
* Storage temperature: -40 to +85 C.
* Humidity: 10-97% non-condensing.
* Dimensions: 151 mm X 75mm X 26mm (L x W x D)
* Weight: 387g.

DYMEC is a Veteran Owned Small Business (VOSB)

Replaces Garrettcom - DYMEC 5843 & 5844 Serial Links

DYMEC
Kansas City, Missouri, U.S.A.
Telephone: (816) 988-7861 Fax: (480) 287-8605
Web Sites: DYMEC.com
DYMECDIRECT.com



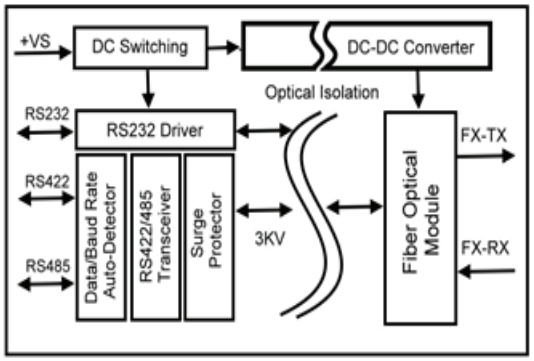
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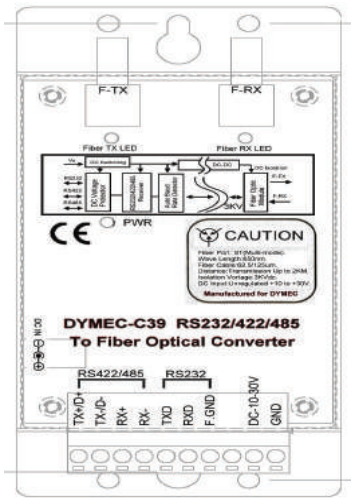
Single-mode Fiber Data Link Serial Data Links (RS-232/422/485 Opto-Isolator & Media Converter

C Series Data Links for Sub-stations & Power Switch Gear

DY-5844-C39S: ***hardened fiber optic Link / Repeaters that convert RS232 or TTL level copper to amplitude based fiber signaling.***

Featuring: CalTrans, NEMA TS-2, cUL
IP40 Military Grade Enclosure, Small Footprint
Fourth Generation Fiber Optic Assembly
ElectroMagneticPulse (EMP) Certified
Dual Power Inputs: Lower Power
DC Powered: +10 ~ +30 Volts DC
Single-Mode 1310 nm fiber < 40 KM
Easy Configuration / Small Form Factor
Low Power Consumption
Power Consumption: 1.6 Watts





FEATURES:

* Wide range power input voltage.
* ST Connector - Single-mode fiber port.
* Auto direction flow control on RS-485.
* Automatically switch signal RS-232, RS-422 and RS-485.
* Support 3000V DC isolation protection.
* All RS-422/485 signals provide surge and over current protection.
* Power/TX/RX mode LED indicators.
* Fiber transmission distance up to 40 KM.
* Auto baud rate switching from 300bps to 115.2 Kbps.
* Supports both Din-Rail and panel mount

** Redesigned with improved fiber optic circuits
** Smaller Physical Footprint
** Smaller Carbon Footprint (Lower Power Required)

*** Use for isolation of ground differential and excessive noise areas

Class 1 Division 2 - Hazardous Location (HazLoc)

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