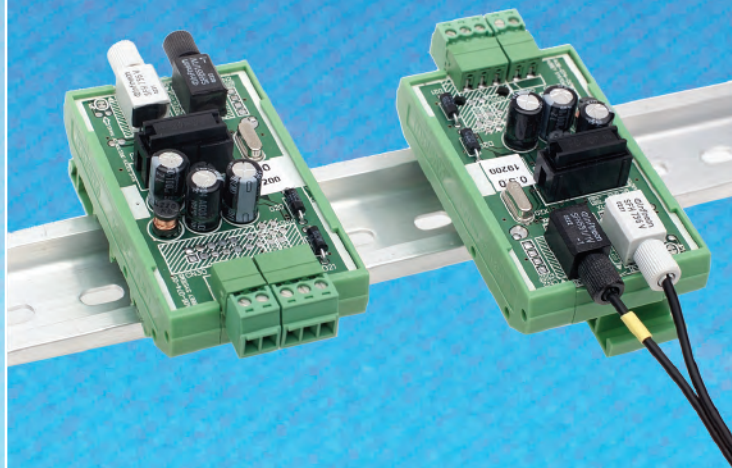# Fox - Serial to Fibre Optic Converters

Providing total isolation and high noise immunity in electrical installations

*fox***cub**

▶ Single port fibre optic converters

▶ RS-232, RS-485 and Intermodule
   Bus variants

▶ Glass Fibre & Plastic Fibre variants

▶ DIN mount

Fo✗

▶ Four port RS-232 to
   Glass Fibre Optic converter

▶ Expandable

▶ Aluminium enclosure

▶ DIN mount

μAbbey
SYSTEMS

foxcub - Fibre Optic Converters

Single port Asynchronous Fibre Optic converters available in RS-232, RS-485 or Abbey Systems Intermodule Bus versions with both glass (ST) or plastic fibre variants.

Applications:

- Isolation of protection relays, power meters, transformer relays and circuit breakers in power distribution substations.
- Isolation of voltage regulators and reclosers in feeder distribution networks.
- Sites that suffer from earth potential problems.
- Distributed RTUs, PLCs and Abbey Systems Central site equipment.

Specifications

Dimensions:	46 x 77mm
Power:	10 -36VDC, 2 pin connector
Current:	~30mA all versions
Mounting:	DIN 'top hat' rail mount
Typical link distance:	<60m

Part Numbers

Description	Connector	Plastic fibre 1mm POF	Glass fibre ST 50/125, 62.5/125, 100/140uM , 200u HCS
RS-485	3 pin	B06-074-111	B06-074-121
RS-232	RJ 45	B06-074-112	B06-074-122
Intermodule bus	3 pin	B06-074-113	B06-074-123

Fox – Fibre Optic Converter

Four port Asynchronous RS-232 to glass Fibre Optic converter in a robust aluminium enclosure.

Specification

Dimensions:	250Lx65Wx38H
Power:	12VDC through either RJ45 or separate connector
Mounting:	DIN 'top hat' rail mount
Interface to RTU:	RS-232 serial using RJ-45 connector
Data combining:	Broadcast transmit data; logical OR of received data
Maximum data rate:	115.2 kilobits per second
FO connector type:	'ST' connectors
Number of fibre-optic ports:	Four Duplex ports expandable by daisy-chain
Fibre type /sizes:	Glass multi-mode, 50/125 _m, 62.5/125 _m and 100/140 _m
Wavelength:	820 nm (infra-red)
Transmit power:	-5 to +2 dB, switch-settable (individually for each port)
Diagnostic indicators:	Tx, Rx for RTU, and individual Rx for each port
Typical link distance:	<6000 m
Part Number	B06-060

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