



## Model: rdcMMFO

### Multimode to Multimode Fiber Optics Repeater / Extender

The rdcMMFO provides transparent data regeneration between fiber optic devices utilizing multimode fiber. Being protocol independent, the rdcMMFO simply repeats any data from one port to another, up to 500 kbps. Furthermore, no configuration is required. Multimode is well suited to short premises installation.

Industrially designed with a small footprint, DIN rail mount, user indicators, and wide DC supply range make the rdcMMFO a very engineer- friendly device for your industrial data communication system.

## Specification

### Fiber Optic

- Interface : Multimode 850 nm full duplex (Local)  
: Multimode 850 nm full duplex (Remote)
- Connectors : Multimode ST(bayonet), SC or FC (Local)  
: Multimode ST(bayonet), SC or FC (Remote)
- Fiber Size : Multimode - 62.5/125, 100/140 and 50/125  $\mu$ m

Power Budget : 15 dbm @ 65 °C on 62.5/125  $\mu$ m cable (Multimode)

### Power Supply

- 9v to 36v DC : 15 mA (Max)
- 5v DC +/- 5% : 60 mA (Max)
- User Indications : Green LED for incoming power supply

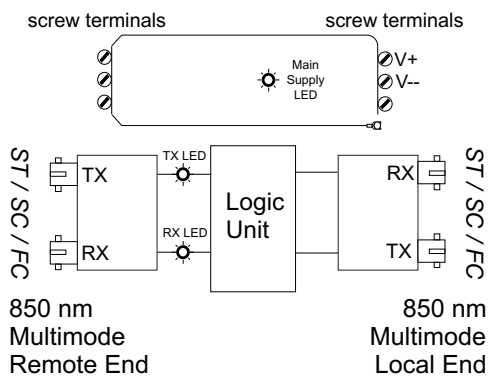
### Communication

- Max Speed : Up to 500 kbps
- Character Setting : transparent, no configuration required
- User Indications : Yellow LEDs for both directions
- Distance : Multimode 4 km  
(Depends on attenuation loss, no. of splices etc along FO cable)

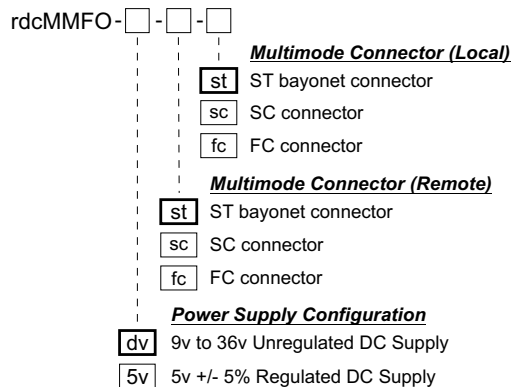
### Mechanical / Environment

- Operating Range : -10 °C to +65 °C
- Storage Range : -40 °C to +85 °C
- Relative Humidity : 10 to 90% RH, non-condensing
- Case Material : nylon polyimide, fungus and termite resistant self-extinguishing
- Weight : approx 130g
- Mounting Rail : DIN EN 50 022 or DIN EN 50 035

### Block Diagram

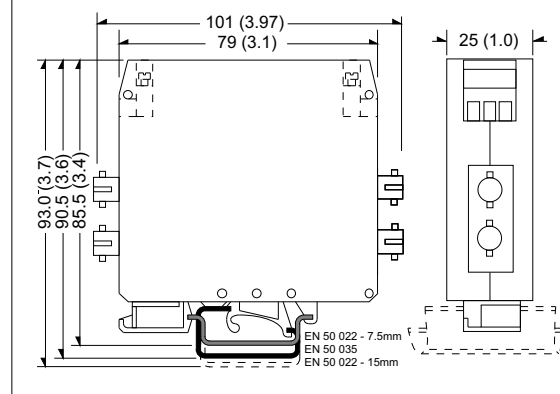


### Order Information



Boxes in Bold denote factory default options

### Dimensions in mm (and inches)



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(Version 1.0) Specifications subject to change without notice.