

Fibre Optic Transmission System

## Data Transceiver

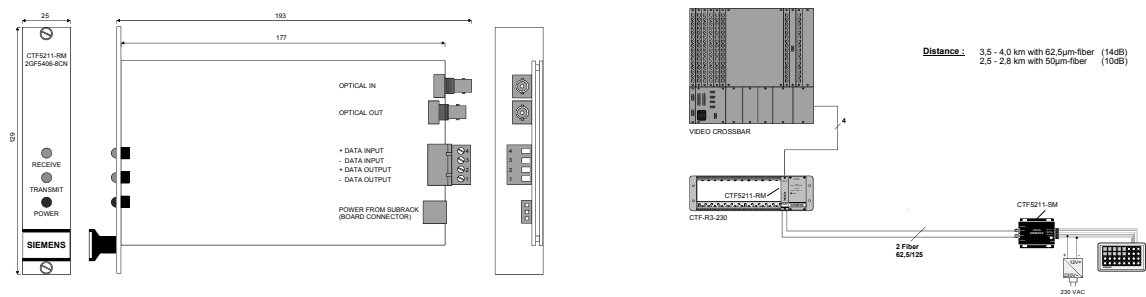
CTF5211-RM

850 nm, Rack Mount Module

- **Compatible with Siemens camera control units and Siemens keyboards**
- **Meets NEMA TS-1/TS-2 & Caltrans Specifications (temperature/humidity, shock/vibration, and voltage transient protection)**
- **Point-to-point topology**
- **No in-field electrical or optical adjustments required**
- **Power transmit and receive data status LED indicators**
- **Integrated WDM for greater product reliability**
- **Automatic resettable fuses on all power lines**
- **Hot-swappable rack modules**

The CTF5211-RM is designed to function as a fibre optic current-loop transceiver over two optical fibres. Models within this series are available for use with multimode optical fibre. Plug-and-Play design ensures ease of installation requiring no electrical or optical adjustments. Each transceiver incorporates power and transmit/receive status indicating LEDs for monitoring proper system operation. The module is compatible with Siemens keyboards.

## Module design and System design (example)



## Technical data

<b>Specifications</b>	
<b>Data</b>	
Data interface	Current Loop 20 mA
Wavelength	850 nm
Number of fibres	2
Fibre multi mode	62.5/125 $\mu\text{m}$ 50/125 $\mu\text{m}$
Sensitivity	1 $\mu\text{w}$ (-30 dBm)
Output	25 $\mu\text{w}$ (-16 dBm)
<b>Optical power budget</b>	
with 62.5/125 $\mu\text{m}$	14 dB
with 50/125 $\mu\text{m}$	10 dB
<b>Connectors</b>	
Optical	ST plug connectors
Data	Terminal plug with screw clamps
Power	Via board connector of rack
<b>Electrical and mechanical</b>	
Power supply	From rack
Number of rack slots	1
Current protection	Automatic resettable solid-state current limiters
Circuit board	Meets IPC Standard
Dimensions (W x H x D)	25 x 129 x 193 mm
Weight	0.9 kg
<b>Environmental</b>	
MTBF	> 100,000 hours
Operating temperature	-40 to +74 °C
Storage temperature	-40 to +85 °C
Relative humidity	0 to 95%, no condensation

## Ordering data

Type	Part no.	Designation	Weight
CTF5211-RM	2GF5406-8CN	Data Transceiver TTY, 850 nm, Multi Mode, 2 fibres, Rack mount card, 1 slot	0.9 kg