FT010CB / FT080CF

Contact Closure Transceivers

Features

Contact Closurel

- 2ms response time
- Normally open

Optical

- One fiber design
- High performance laser-based optics
- Multimode or Singlemode
- ST or FC connectors available

Robust Design

- Plug-and-Play design, no in-field adjustments required.
- Hot-swappable design
- Wide operating temperature range of -40°C to +75°C
- Designed for use in harsh environments

Warranty

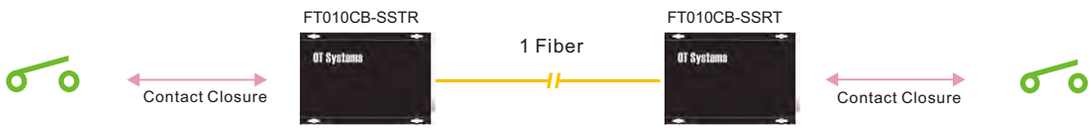
- Comprehensive Lifetime Warranty

Description

The FT010CB and FT080CF contact closure series transmits one channel of bi-directional contact closure or up to 8-channels of one-way contact closures. This series feature high-performance laser-based optics for the clearest, most reliable transmission in both single and multi-mode with no video degradation.

A plug-and-play product, provides compatibility in most application designs and reliability in harsh environments, a perfect compliment to any commercial, government or intelligent transportation application. The product features in card module or standalone type.

Typical Application



Specifications

Contact Closures

Number of Channels	1 / 8
Direction (FT010CB)	Bi-directional
Direction (FT080CF)	Forward
Input Type	Dry Contact or TTL input
Output Type	Dry Contact, NO or NC
Dry contact Output Rating	Max. 32VDC/VAC @ 100mA

LED

Contact Closure Input / Output	Red/Green LED lit
Optical Carrier Detected	Yellow / Active
Power	Red/On

Connectors

Contact Closure Input / Output	5-pin screw terminal
Optical Input / Output	ST (standard), FC (optional)
Power (Standalone)	2-pin screw terminal block
Power (Rack-mount)	Bus connector

Electrical and Mechanical

FT010CB

Power (Standalone)	12VDC @ 2.4W
Power (Rack Mount)	From FT-C18 Chassis
Dimensions(WxHxD) (Standalone)	156 x 30.5 x 223mm(Max)
Dimensions(WxHxD) (Rack Mount)	148 x 20.4 x 213mm(Max)
Shipping Weight (Standalone)	0.58kg
Shipping Weight (Rack Mount)	0.2kg

FT080CF

Power (Standalone)	12VDC @ 4.2W
Power (Rack Mount)	From FT-C18 Chassis
Dimensions(WxHxD) (Standalone)	156 x 50.5 x 223mm(Max)
Dimensions(WxHxD) (Rack Mount)	148 x 41.4 x 213mm(Max)
Shipping Weight (Standalone)	0.78kg
Shipping Weight (Rack Mount)	0.28kg

Environmental

Operating Temp	-40°C to +75°C
Storage Temp	-40°C to +85°C
Relative Humidity	0 to 95% non-condensing
MTBF	> 100,000 hours

Ordering Information

Fiber Type	Part Number	Description	Wavelengths (nm)	Optical Power Budget (dB)	Max. Distance (Km)	No. of slots
Multi-mode (62.5/125µm)	**FT010CB-SMTR**	1-ch bidirectional Contact Closure Transceiver	1310 | 1550	23	4	1
	FT010CB-SMRT	1-ch bidirectional Contact Closure Transceiver				
	FT080CF-SMT	8-ch One-way Contact Closure Transmitter	1310	23	4	2
	FT080CF-SMR	8-ch One-way Contact Closure Receiver				
Single-mode (9/125µm)	**FT010CB-SSTR**	1-ch bidirectional Contact Closure Transceiver	1310 | 1550	17	20	1
	FT010CB-SSRT	1-ch bidirectional Contact Closure Transceiver				
	FT080CF-SST	8-ch One-way Contact Closure Transmitter	1310	17	20	2
	FT080CF-SSR	8-ch One-way Contact Closure Receiver				

Options	▪ ST type connector is standard. For FC type, specify "F" in the suffix. E.g. FMTR/FMT ▪ For Standalone type, please add "SA". E.g. SMTRSA/SMTSA ▪ Please feel free to consult factory if longer transmission distance is required.
Power Adaptor	▪ Power adaptor is included in Standalone type only.
Rack Mount Chassis	▪ FT-C18 is to be purchased separately. Please refer to accessories section for the details.

Notes:
- Transmission distance will suffer if additional losses are introduced by the optical connectors, fusions, splices and the fibers within the network.
- Operating distance of multimode is limited by the characteristics of the fiber bandwidth.
- Power adaptor is manufactured by third party and is supplied with fitted screw - terminal output cables.
- Please feel free to consult factory for any special requirement and customization.

ISO 9001:2000
FM 88638

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Due to continuous improvement, all product specifications are subject to change without further notice.