

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.



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

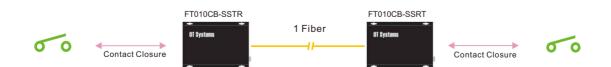
Robust Design

- > 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

Typical Application



Specifications

Contact Closures

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

LED

Contact Closure Input / Output Optical Carrier Detected

Red/Green LED lit Yellow / Active

Red/On

Connectors

Contact Closure Input / Output Optical Input / Output Power (Standalone) Power (Rack-mount)

5-pin screw terminal ST (standard), FC (optional) 2-pin screw terminal block Bus connector

Electrical and Mechanical

FT010CB

12VDC @ 2.4W Power (Standalone) 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) 0.58ka Shipping Weight (Rack Mount) 0.2ka

FT080CF

Power (Standalone) 12VDC @ 4.2W Power (Rack Mount) From FT-C18 Chassis Dimensions(WxHxD) (Standalone) 156 x 50.5 x 223mm(Max) 148 x 41.4 x 213mm(Max) Dimensions(WxHxD) (Rack Mount) Shipping Weight (Standalone) 0.78ka 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 > 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				
	FT010CB-SMRT	1-ch bidirectional Contact Closure Transceiver	1310 1550	23	4	1
	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				
	FT010CB-SSRT	1-ch bidirectional Contact Closure Transceiver	1310 1550	17	20	1
	FT080CF-SST	8-ch One-way Contact Closure Transmitter	4040	17	0.0	
	FT080CF-SSR	8-ch One-way Contact Closure Receiver	1310	17	20	2

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
 - · 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.













OT Systems Ltd., November 2013

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