FR-2156T

8CH Discrete Digital Output Module of FRnet System

FR-2156T

Functional description

The FR-2156T has 8-channels isolated photo-coupler output and the transfer speed is fixed at 1M bps. The default signal connector of FR-2156T is a 12-pin 0.15" screw terminal connector.

According to different applications, the users can choose suitable modules. The FR-2100 I/O module has a FRNet interface. The users can daisy chain several FR-2100 modules together. Via FRNet, the FR-2100 modules can extend the discrete I/O control of PC and PAC easily. For further information about the networking of FR-2100 series; please refer to literature related to I-7188EF, I-8172, FRB-200.

Features

- Built-in Wire-saving FRnet DI/DO control
- High-speed transmission reliability
- Simple synchronization mechanism
- No software overhead on protocol processing
- Supporting broadcasting (1:n data transmission)
- Duplicating output easily
- Fixed I/O scan-time and I/O synchronization
- DIN-Rail mountable

Applications

- Industrial Automation
- Remote I/O control
- Wire-saving application
- Built-in Wire-saving FRnet DI/DO control

Specifications

6P4C RJ-11 modular connector with Cat.3 cable (2P twisted-pair cable) for easy wiring (When different cables are used, the transmission distance may change).

Power consumption	2.0 W (Max.)
Power requirement	12-24 V DC
Operating temperature	-25°C to +65 °C
Operating humidity	10% ~ 95% RH, non-condensing
Storage temperature	-30°C to +85°C
Storage humidity	5% ~ 95% RH, non-condensing
Weight	approximately 120g
Dimensions	99 mm x 32 mm x 83 mm
Output Isolation	1 KVdc
Output type	4.7 K Ohm
Output points	8 channels
Sink Current	300mA per channel max.
Response Time	Turn-On delay time: less than 0.15 ms Turn-Off delay time: less than 0.05 ms
Output Protection	Thermal shutdown with auto restart Overload protection Short circuit protection Over-voltage protection Current limitation.

Transmission	Transfer speed:1 M bps Cyclic scan time:0.72 ms Transfer distance:Max. 100 m

Ordering Information

FR-2156T	8-channel isolated digital output with 12- pin screw terminal connector