

# Product data sheet

Specifications

## Modicon FTB FTM range



## I/O splitter box FTB monobloc - IP67 - for CANopen - 16I

FTB1CN16EM0

⚠ Discontinued on: Dec 31, 2010

⚠ End-of-service on: Dec 31, 2018

⚠ Discontinued

### Main

Range Of Product	Advantys FTB
Product Or Component Type	IP67 monobloc I/O splitter box
Enclosure Material	Metal
Bus Type	CANopen
Input/Output Number	16
Discrete Input Number	16
Structure Type	According to ISO 11898 According to EN 50325

### Complementary

[Ue] Rated Operational Voltage	24 V DC
Maximum Supply Current	8 A
Internal Current Consumption	120 mA
Discrete Input Voltage	24 V
Discrete Input Voltage Type	DC
Maximum Discrete Input Current	200 mA
Discrete Input Logic	Positive
Product Compatibility	With 2-wire/3-wire sensors
Sensor Power Supply	18...30 V
Reverse Polarity Protection	Internal
Electrical Connection	1 female connector 7/8" (power OUT) 1 female connector M12 (bus OUT) 1 male connector 7/8" (power IN) 1 male connector M12 (bus IN) 8 female connectors M12 (sensor)
Method Of Access	Multimaster Priority information
Transmission Rate	1 Mbit/s
Transmission Support Medium	2 twisted shielded wires
Number Of Addresses	1...127
Input/Output Number Of Splitter Box	8 I + 8 diagnostic inputs
Protection Type	Short-circuit protection
Input Filtering	1 ms

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Control Threshold Undervoltage	0...18 V
Status Led	1 LED sensor power supply diagnostics 1 LED per channel channel diagnostic 1 LED per channel channel status 2 LEDs bus diagnostic
Surge Withstand	-1 kV power supply (asymmetrical) conforming to IEC 61000-4-5 1 kV power supply (asymmetrical) conforming to IEC 61000-4-5 -1 kV signal (asymmetrical) conforming to IEC 61000-4-5 1 kV signal (asymmetrical) conforming to IEC 61000-4-5 0.5 kV ground/PE conforming to IEC 61000-4-5 0.5 kV power supply (symmetrical) conforming to IEC 61000-4-5 0.5 kV signal (symmetrical) conforming to IEC 61000-4-5
Operating Position	Any position
Fixing Mode	By 2 screws
Tightening Torque	9 N.m for M6 screw(s)
Net Weight	0.82 kg

## Environment

Standards	IEC 1131-2 Type 2
Product Certifications	cULus
Ambient Air Temperature For Operation	0...55 °C
Ambient Air Temperature For Storage	-25...70 °C
Ip Degree Of Protection	IP67 conforming to IEC 60529
Operating Altitude	0...2000 m
Vibration Resistance	1.5 mm constant amplitude (f= 5...70 Hz) conforming to IEC 68-2-6, FC test 15 gn constant acceleration (f= 70...500 Hz) conforming to IEC 68-2-6, FC test
Shock Resistance	50 gn for 11 ms conforming to IEC 68-2-27, EA tests
Resistance To Electrostatic Discharge	-4 kV in contact conforming to IEC 61000-4-2 4 kV in contact conforming to IEC 61000-4-2 -8 kV in air conforming to IEC 61000-4-2 8 kV in air conforming to IEC 61000-4-2
Resistance To Radiated Fields	10 V/m conforming to IEC 61000-4-3
Resistance To Fast Transients	-2 kV (power supply) conforming to IEC 61000-4-4 2 kV (power supply) conforming to IEC 61000-4-4 -2 kV (signal) conforming to IEC 61000-4-4 2 kV (signal) conforming to IEC 61000-4-4
Resistance To Conducted Disturbances	10 V conforming to IEC 61000-4-6

## Contractual warranty

Warranty	18 months
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