

Modicon FTB FTM range



ⓘ Discontinued

FTB1CN16CM0 has not been replaced. Please contact your customer care center for more information.

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	0...16
Discrete output number	0...16
Structure type	According to EN 50325 According to ISO 11898

Complementary

[Ue] rated operational voltage	24 V DC
Supply current	8 A
Internal current consumption	120 mA
Discrete input voltage	24 V
Discrete input voltage type	DC
Discrete input current	<= 200 mA
Discrete input logic	Positive
Product compatibility	With 2-wire/3-wire sensors
Discrete output voltage	24 V
Discrete output voltage type	DC
Discrete output current	1600 mA
Discrete output type	Transistor
Sensor power supply	18...30 V
Reverse polarity protection	Internal
Switching frequency	<= 20 Hz
Tungsten load	<= 10 W
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 or actuator
Output connection cable size	0.34 mm ² , cable length = 5 m

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

0.75 mm², cable length = 10 m

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/O + 8 I/O diagnostic
Output overvoltage protection	Suppressor diode
Protection type	Short-circuit protection
Input filtering	1 ms
Control threshold undervoltage	0...18 V
Status LED	1 LED for actuator power supply diagnostics 1 LED for sensor power supply diagnostics 1 LED per channel for channel diagnostic 1 LED per channel for channel status 2 LEDs for 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)
Product 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 at 5...70 Hz conforming to IEC 68-2-6, FC test 15 gn constant acceleration at 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 period	18 months
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