



FTM1DD16C12E has not been replaced. Please contact your customer care center for more information.

⚠ Discontinued

Main

Range of product	Advantys FTM
Product or component type	IP67 modular I/O splitter box
Splitter box type	Expandable
Input/Output number	16
Discrete input number	0...16
Product compatibility	With 2-wire/3-wire sensors
Discrete output number	0...16
Electrical connection	1 female connector M12 next module 1 male connector M12 bus module or previous module 8 female connectors M12 sensor or actuator

Complementary

Internal current consumption	50 mA
[Ue] rated operational voltage	24 V DC
Supply current	<= 4 A
Discrete input voltage	24 V
Discrete input voltage type	DC
Discrete input current	200 mA
Discrete input logic	Positive
Discrete output voltage	24 V
Discrete output voltage type	DC
Discrete output current	500 mA
Discrete output type	Transistor
Sensor power supply	18...30 V
Reverse polarity protection	Internal
Response time on output	0...0.5 ms
Switching frequency	<= 5 Hz inductive load <= 50 Hz resistive load
Tungsten load	<= 10 W
Output connection cable size	0.34 mm ² , cable length = 5 m 0.75 mm ² , cable length = 10 m
Input filtering	1 ms
Control threshold undervoltage	0...18 V

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

Status LED	1 LED actuator power supply diagnostics 1 LED per channel yellow channel status 1 LED sensor power supply diagnostics
Surge withstand	-1 kV signal conforming to IEC 61000-4-5 1 kV signal conforming to IEC 61000-4-5 0.5 kV ground/PE conforming to IEC 61000-4-5 0.5 kV power supply conforming to IEC 61000-4-5
Operating position	Any position
Fixing mode	By 2 screws
Tightening torque	1.5 N.m, M4 screw(s)
Product weight	0.22 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
Operating altitude	0...2000 m
Vibration resistance	15 gn conforming to IEC 68-2-6
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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