

Product datasheet

Specifications



IP67 modular I/O splitter box - expandable - 16 I/O - 24 V DC

FTM1DE16C12E

 **Discontinued on:** 27 Aug 2020

 **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	16
Product compatibility	With 2-wire/3-wire sensors
Electrical connection	1 female connector M12 (next module) 1 male connector M12 (bus module or previous module) 8 female connectors M12 (sensor)

Complementary

Internal current consumption	50 mA
[Ue] rated operational voltage	24 V DC
Maximum supply current	4 A
Discrete input voltage	24 V
Discrete input voltage type	DC
Discrete input current	200 mA
Discrete input logic	Positive
Sensor power supply	18...30 V
Reverse polarity protection	Internal
Input filtering	1 ms
Control threshold undervoltage	0...18 V
Status LED	1 LED per channel (yellow) channel status 1 LED 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 for M4 screw(s)
Net weight	0.22 kg

Environment

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

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 (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Longer

Lifetime extension	
Repair	No