

FTM1DD16C12

compact IP67 modular I/O splitter box - Advantys
FTM - 16 I/O - 24 V DC



Main

Range of product	Advantys FTM
Product or component type	IP67 modular I/O splitter box
Splitter box type	Compact
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 male connector M12 auxiliary actuator power supply 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
Auxiliary supply current	<= 4 A
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 mm², cable length = 5 m 0.75 mm², cable length = 10 m
Input filtering	1 ms
Control threshold undervoltage	0...18 V
Status LED	1 LED actuator power supply diagnostics 1 LED auxiliary supply power on 1 LED per channel yellow channel status 1 LED ssr pwr sply dgtr + com status
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

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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	8 kV in air conforming to IEC 61000-4-2 -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
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