

CUBE67 DIO16 DO16 E 16XM12 (1,6/2A)

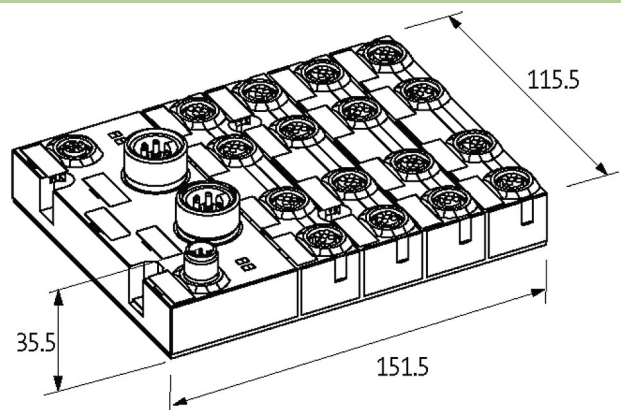
Expansion module

DIO16 - 1.6 A DO16 - 2 A (E) - 16× M12

Digital inputs/outputs (multifunctional)

Connection cables are in the online shop under "Connection Technology".

Housing fully potted.

[Link to Product](#)**Illustration**

Product may differ from Image

General data

Mounting method	4 hole screw mounting
Temperature range	0...+55 °C (storage temperature -20...+75 °C)
Protection	IP67
Dimensions H×W×D	151.5×115.5×35.5 mm

Output

Actuator supply (8× M12 left side)	24 V DC (EN 61131-2), via 7/8" male (max. 2× 9 A)
Actuator supply (8× M12 right side)	24 V DC (EN 61131-2), via 7/8" male (max. 2× 9 A)
Lamp load (8× M12 right)	40 W
Switching current per output (8× M12 right)	max. 2 A (short-circuit and overload protected), coincidence factor 50% per port
Switching current per output (8× M12 left)	max. 1.6 A (short-circuit and overload protected), coincidence factor 50% per port
Lamp load (8× M12 left)	30 W

Input

Sensor supply US	24 V DC (EN 61131-2), max. 200 mA (M12 female), short-circuit and overload protected
Type	for 3-wire sensors or mechanical switches, PNP
Input filter	1 ms

Internal communication

LED display	US: sensor supply and internal supply voltage (green: OK); UA: actuator supply (green: OK)
Current consumption	max. 50 mA

Parameterization

PIN 2 (8× M12 right side)	Output
PIN 2 (8× M12 left side)	Input/Output/Diagnostic
PIN 4 (8× M12 right side)	Output
PIN 4 (8× M12 left side)	Input/Output

Connections

Fieldbus	via internal system connection
Sensor-system/actuator supply	via internal system connection (max. 2× 4 A)

The information in this brochure has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 03/22

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I/O ports M12 (female) 5-pole, A-coded

Diagnostic

Communication status	via LED
Diagnostic via LED	per module and channel
Diagnostic via BUS	per module and channel
Actuator warning	per channel via LED and BUS
Monitoring - under voltage	yes
Monitoring - no voltage	yes
Short-circuit and overload	yes

Commercial data

country of origin	DE
customs tariff number	85389099
EAN	4048879048422
eClass	27242604
Packaging unit	1.000