

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

Expansion module

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

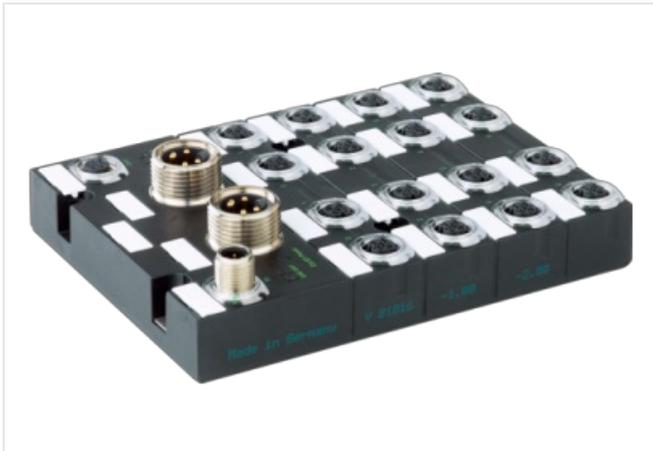
Digital inputs/outputs (multifunctional)

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

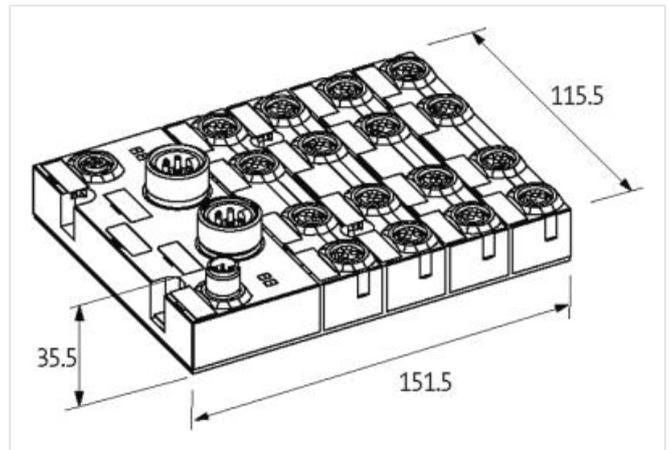
Housing fully potted.

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

Product article number of manufacturer 56641

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