

## CUBE67 I/O EXTENSION MODULE

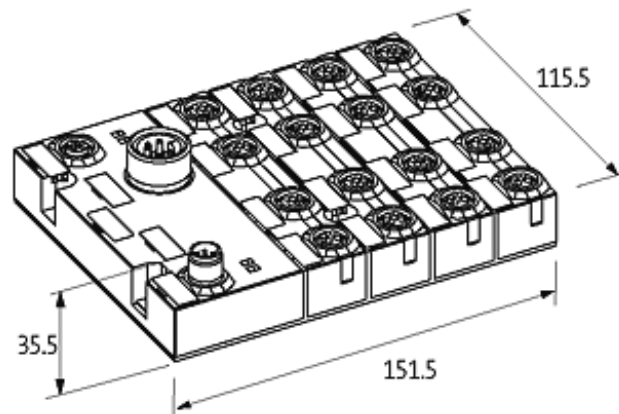
32 multifunction channels

Expansion module  
DIO32 - 0.5 A (E) 16×M12  
Multifunctional I/Os

Housing fully potted. For connection cables please see chapter "Connection Technology"

### [Link to Product](#)

#### Illustration



Product may differ from Image

#### 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, (EN 61131-2)
Input filter	1 ms

#### Internal communication

Current consumption	max. 60 mA
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LED display

US: sensor supply and internal supply voltage (green: OK); UA: actuator supply (green: OK)

### Connections

Fieldbus	via internal system connection
Sensor-system/actuator supply	via internal system connection (max. 2×4 A)
I/O ports	M12 (male) 5-pole, A-coded

### General data

Protection	IP67
Mounting method	4 hole screw mounting
Temperature range	0...+55 °C (storage temperature -20...+75 °C)
Dimensions H × W × D	151,5×115,5×35,5 mm

### Parameterization

PIN 2 (8 × M12 left side)	Input/output/diagnostic
PIN 4 (8 × M12 left side)	Input/output
PIN 2 (8 × M12 right side)	Input/output/diagnostic
PIN 4 (8 × M12 right side)	Input/output

### Output

Actuator supply (8×M12 left side)	24 V DC (EN 61131-2), via 7/8" male (max. 1 × 9 A)
Actuator supply (8×M12 right side)	24 V DC (EN 61131-2), via 7/8" male (max. 1 × 9 A)
Switching current per output (8×M12 left)	max. 0.5 A (short-circuit and overload protected)
Switching current per output (8×M12 right)	max. 0.5 A (short-circuit and overload protected)
Lamp load (8×M12 left)	10 W
Lamp load (8×M12 right)	10 W

### Diagnostic

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

### Commercial data

country of origin	DE
customs tariff number	85176200
minimum order quantity	1