

CUBE67 Hygienic Design I/O EXTENSION MODULE

16 multifunction channels

Art.No.: 5660160

Weight: 0.370 kg

Country of origin: DE

Model designation: Cube67 DIO16 E 8xM12 HD

Expansion module

DIO16 - 0.5 A (E) - 8× M12

short-circuit and overload protected

Digital inputs/outputs (multifunctional)

Hygienic Design

Stainless steel, polished

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

Housing fully potted.

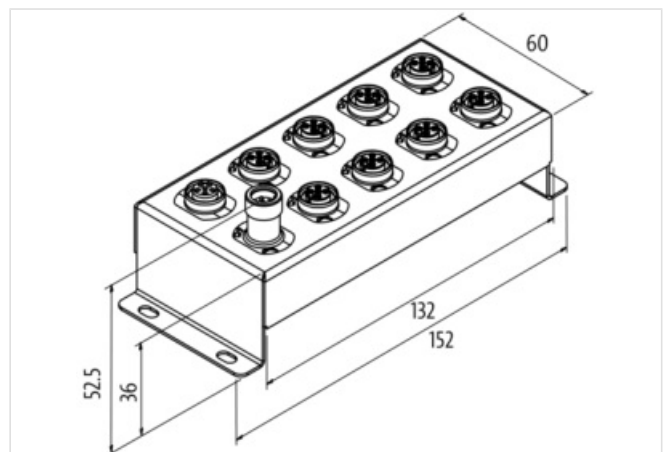
Connection cable: F&B, F&B Pro, Steel

[Link to Product](#)

Illustration



Product may differ from Image



Commercial data

URL Webshop	https://shop.murrelektronik.com/5660160
GTIN	4048879695718
EU-Customs tariff number	85389099
US-Customs tariff number	8538908180
ECLASS-6.0	27242604
ECLASS-6.1	27242604
ECLASS-7.0	27242604
ECLASS-7.1	27242604
ECLASS-8.0	27242604
ECLASS-8.1	27242604
ECLASS-9.0	27242604
ECLASS-9.1	27242604
ECLASS-10.0.1	27242604

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2026-08-08

Murrelektronik GmbH | Grabenstraße 29 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.com | shop.murrelektronik.com

ECLASS-10.1	27242604
ECLASS-11.0	27242604
ECLASS-11.1	27242604
ECLASS-12.0	27242604
ECLASS-13.0	27242604
ECLASS-14.0	27242604
ETIM-5.0	EC001855
ETIM-6.0	EC001855
ETIM-7.0	EC001855
ETIM-8.0	EC001855
ETIM-9.0	EC001855
ETIM-10.0	EC001855
customs tariff number	85389099
EAN	4048879695718
Packaging unit	1

Electrical data | Supply

Norm operating voltage	IEC/EN 61131-2
Operating voltage US DC	24 V
Total current US max.	4 A
Operating voltage UA DC	24 V
Total current UA max.	4 A
Current consumption max.	50 mA

Electrical data | Input

Sensor current US per input max.	0,2 A
Short-circuit protected	Yes
Overload resistant	Yes
filter time	1 ms
Type input	for 3-wire sensors or mechanical switches, PNP

Electrical data | Output

Output current per pin max.	0,5 A
Overload resistant	Yes
Short-circuit protected	Yes
Lamp load	10 W

Diagnostics

Actuator warning	per channel via LED and BUS
Short circuit diagnosis	Yes
Overload diagnosis	Yes
Diagnostic	No voltage, Under voltage
Diagnostic via BUS	per module and channel
Diagnostic via LED	per module and channel
LED display	Ethernet connection/data traffic

Device protection | Electrical

Degree of protection (ISO 20653:2013)	IP69K
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Mechanical data | Mounting data

Height	152 mm
Width	60 mm
Depth	54 mm
Suitable for mounting type	4 hole screw mounting

Environmental characteristics | Climatic

Operating temperature min.	0 °C
Operating temperature max.	55 °C

Ambient temperature (storage, transport) -20 °C ... 75 °C

Connection type 3	
Connection type 1	0-7
Connection type 2	Bus In
Connection type 3	Bus Out
Family construction form	M12
No. of poles	5
Coding	A
Gender	male
Color contact carrier	black
PIN 1	24 V DC (US)
PIN 2	DI / DO 0.x
PIN 3	0 V
PIN 4	DI / DO 1.x
PIN 5	PE
Family construction form	M12
No. of poles	6
Coding	A
Gender	male
Color contact carrier	black
PIN 1	24 V DC (UA)
PIN 2	24 V DC (US)
PIN 3	0 V
PIN 4	Bus internal
PIN 5	Bus internal
PIN 6	0 V
Family construction form	M12
No. of poles	6
Coding	A
Gender	female
Color contact carrier	black
PIN 1	24 V DC (UA)
PIN 2	24 V DC (US)
PIN 3	0 V
PIN 4	Bus internal
PIN 5	Bus internal
PIN 6	0 V