CUBE67+ Hygienic Design I/O EXTENSION MODULE

12 multif. channels + 4 IO-Link master V1.1

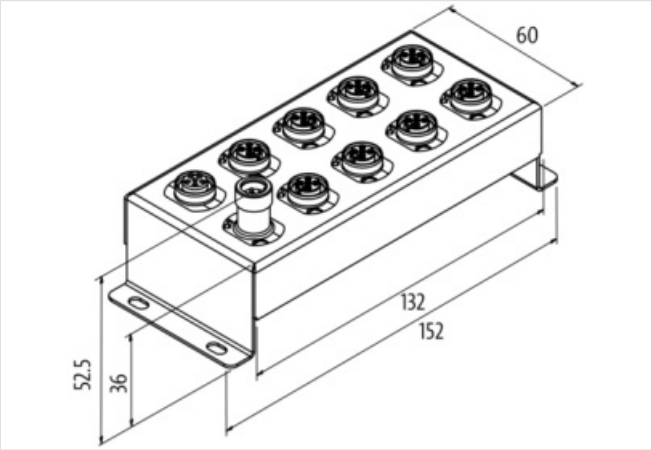
Art.No.: 5676660
Weight: 0,380 kg
Country of origin: DE
Model designation: Cube67+ DIO12 IOL4 V1.1 E 8xM12 HD

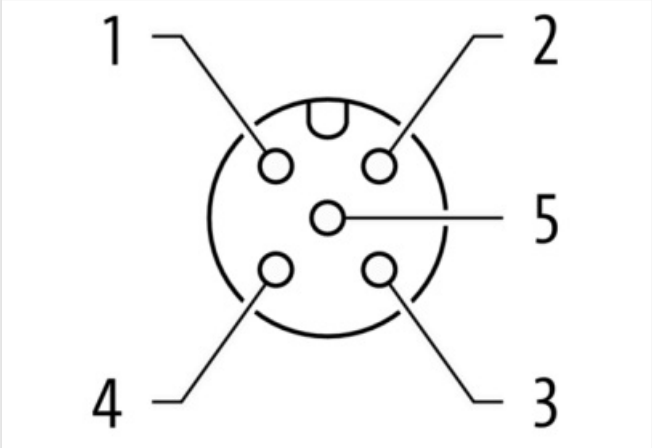
Expansion module
DIO12 IOL4 (E) - 8× M12
IO-Link Master V1.1.2
Digital inputs/outputs (multifunctional)
Hygienic Design
Stainless steel, polished
Cube67+ modules can only be operated on Cube67+, EtherNet/IP, PROFIBUS + PROFINET bus nodes.
Housing fully potted.
Connection cable: F&B, F&B Pro, Steel
Connection cables are in the online shop under "Connection Technology".

Link to Product

Illustration







Product may differ from Image

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: 2026-10-14

Commercial data	
URL Webshop	https://shop.murrelektronik.com/5676660
GTIN	4048879697316
EU-Customs tariff number	85389099
US-Customs tariff number	8538908180
Compatible with:	56521; 56526; 56535
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
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	4048879697316
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.	100 mA
Electrical data | Input	
Sensor current US per input max.	0.2 A
Sensor current US per IO-Link port max.	0.7 A
filter time	1 ms
Type input	for 3-wire sensors or mechanical switches, PNP
Electrical data | Output	
Output current per pin max.	1.6 A
Overload resistant	Yes
Short-circuit protected	Yes
Lamp load	30 W

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: 2026-10-14

Industrial communication | IO-Link	
type	4× Master
Port Class	A, B
revision ID	V1.1.2
transmission rate	COM1, COM2, COM3
process data length input	32 byte
process data length output	32 byte
Automatic baudrate detection	automatic
Diagnostics	
Actuator warning	per channel via LED and BUS
Short circuit diagnosis	Yes
Overload diagnosis	Yes
Diagnostic via BUS	per module and channel
Diagnostic via LED	per module and channel
LED display	Ethernet connection/data traffic
IO-Link events	Undervoltage supply, No voltage
Device protection | Electrical	
Degree of protection (ISO 20653:2013)	IP69K
Mechanical data | Mounting data	
Height	54 mm
Width	60 mm
Depth	152 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 4-4	
Connection type 1	Bus In
Connection type 2	Bus Out
Connection type 3	DIO
Connection type 4	DIO
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

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: 2026-10-14

PIN 5	Bus internal
PIN 6	0 V
Family construction form	M12
No. of poles	5
Coding	A
Gender	female
Color contact carrier	gray
PIN 1	24 V DC (US)
PIN 2	DI / DO / Diag
PIN 3	0 V
PIN 4	IO-Link
PIN 5	0 V
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

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: 2026-10-14