

CUBE20 SYSTEM INTERFACE TO CUBE67

8 multifunction channels, Power external

Art.No.: 56450

Weight: 0.150 kg

Country of origin: CZ

Model designation: Cube20 BN67 DIO8

System connection

Power external

DIO8 - (BN) Cube67/20

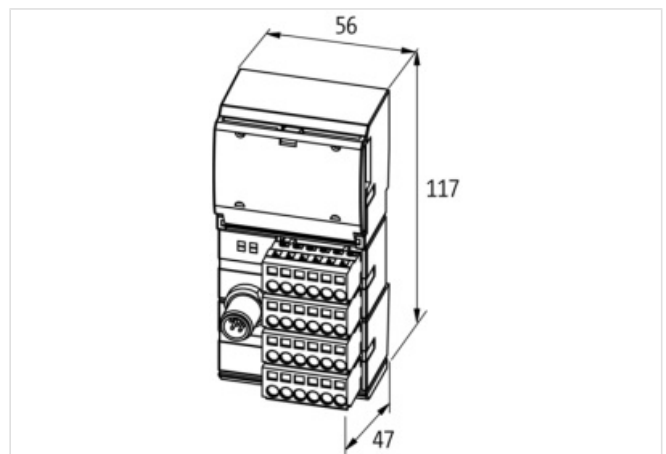
Connection cables are in the online shop under "Connection Technology".

Link to Product

Illustration



Product may differ from Image



Commercial data

URL Webshop	https://shop.murrelektronik.com/56450
GTIN	4048879048774
Customs tariff number	85176200
ECLASS-6.0	27061801
ECLASS-6.1	27242608
ECLASS-7.0	27242608
ECLASS-7.1	27242608
ECLASS-8.0	27242608
ECLASS-8.1	27242608
ECLASS-9.0	27242608
ECLASS-9.1	27242608
ECLASS-10.0.1	27242608
ECLASS-10.1	27242608
ECLASS-11.0	27242608
ECLASS-11.1	27242608
ECLASS-12.0	27242608
ECLASS-13.0	27242608
ECLASS-14.0	27242608

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: 2026-07-12

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ETIM-5.0	EC001855
ETIM-6.0	EC001855
ETIM-7.0	EC001855
ETIM-8.0	EC001855
customs tariff number	85176200
EAN	4048879048774
Packaging unit	1

Electrical data | Supply

Norm operating voltage	IEC/EN 61131-2
Operating voltage DC	24 V
Operating voltage US DC	24 V
Operating voltage UA DC	24 V
Total current UA max.	12 A
Current consumption max.	100 mA

Electrical data | Input

Current carrying capacity max.	0,7 A
Short-circuit protected	Yes
Overload resistant	Yes
filter time	1 ms
Type input	PNP (EN 61131-2)

Electrical data | Output

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

Diagnostics

Short circuit diagnosis	Yes
Overload diagnosis	Yes
Diagnostic	Under voltage
Diagnostic via BUS	per module and channel
Diagnostic via LED	per module and channel (only outputs)
LED display	Ethernet connection/data traffic

Installation

Connection cross section max.	2,5 mm ²
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Installation | Pin assignment

Terminal row X2	Input/Output
Terminal row X3	Input/Output

Device protection | Electrical

Degree of protection (EN IEC 60529)	IP20
Galvanic separation (operating voltage)	Yes
Galvanic separation input/output	Yes

Mechanical data

Number extension modules max.	3
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Mechanical data | Mounting data

Height	117 mm
Width	56 mm
Depth	47 mm
Mounting method	geschnappt
Suitable for mounting type	(EN 60715), mounting rail

Environmental characteristics | Climatic

Operating temperature min.	0 °C
Operating temperature max.	55 °C
Ambient temperature (storage, transport)	-20 °C ... 85 °C

Connection type 5

Connection type 1	Cube67 In
Connection type 2	X0
Connection type 3	X1
Connection type 4	X2
Connection type 5	X2
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
Family construction form	terminal
No. of poles	6
Gender	female
Color contact carrier	colorless
Connection	Spring clamp terminals FK
PIN 1	UA
PIN 2	UA
PIN 3	UI
PIN 4	UI
PIN 5	0 V
PIN 6	0 V
Family construction form	terminal
No. of poles	6
Gender	female
Color contact carrier	colorless
Connection	Spring clamp terminals FK
PIN 1	FE
PIN 2	FE
PIN 3	0 V
PIN 4	0 V
PIN 5	0 V
PIN 6	0 V
Family construction form	terminal
No. of poles	6
Gender	female
Color contact carrier	colorless
Connection	Spring clamp terminals FK
PIN 1	DI 0
PIN 2	DI 1
PIN 3	DI 2
PIN 4	DI 3
PIN 5	US
PIN 6	US

Family construction form	terminal
No. of poles	6
Gender	female
Color contact carrier	colorless
Connection	Spring clamp terminals FK
PIN 1	DO 0
PIN 2	DO 1
PIN 3	DO 2
PIN 4	DO 3
PIN 5	0 V
PIN 6	0 V