

CUBE20 BN-PNIO D18

Art.No.: 56006
 Weight: 0.170 kg
 Country of origin: CZ
 Model designation: Cube20 BN-PNIO D18

Bus nodes

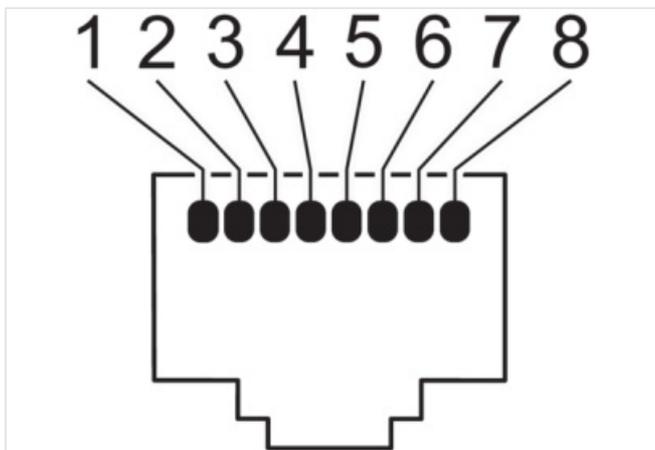
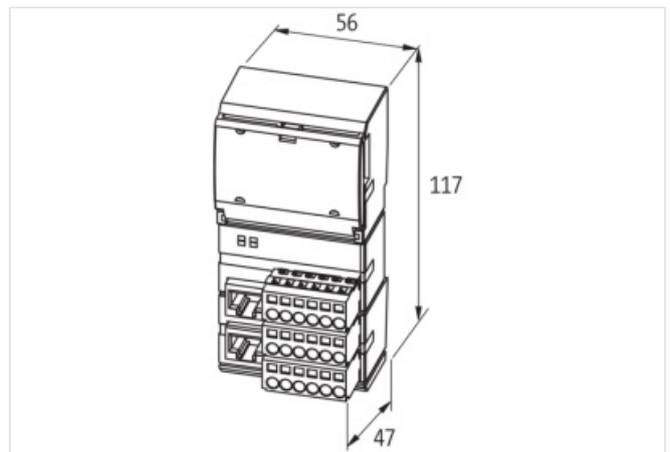
D18 - (BN-PNIO)

PROFINET IO

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

[Link to Product](#)

Illustration



Product may differ from Image



Header

Material short text

Cube20 BN-PNIO D18

Commercial data

URL Webshop

<https://shop.murrelektronik.com/56006>

GTIN

4048879049481

ECLASS-6.0	27242604
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
ETIM-5.0	EC001604
ETIM-6.0	EC001604
ETIM-7.0	EC001604
ETIM-8.0	EC001604
customs tariff number	85176200
EAN	4048879049481
Packaging unit	1

Electrical data | Supply

Norm operating voltage	IEC/EN 61131-2
Operating voltage DC	24 V
Operating voltage US DC	24 V
Total current US max.	4 A
Total current UA max.	4 A
Current consumption max.	150 mA

Electrical data | Input

Current carrying capacity max.	0,7 A
Input filter time	1 ms
Type input	PNP (EN 61131-2)

Industrial Communication

Supported protocol	Profinet
Machine Option Management	Yes

Industrial communication | Bus data

Address range inputs max.	1.024 bytes
Address range outputs max.	1.024 bytes

Industrial communication | Profinet

PROFINET conformance class	B
PROFINET addressing	DCP
PROFINET specification	V2.2

Diagnostics

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

Installation

Connection cross section max. 2,5 mm²

Installation | Pin assignment

Terminal row X2	Input
Terminal row X3	Input

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. 15

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 4

Connection type 1	Ethernet In
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Connection type 2	X0
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Connection type 3	X1
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Connection type 4	X2
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Family construction form	RJ45
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No. of poles	8
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Gender	female
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Color contact carrier	black
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PIN 1	TD +
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PIN 2	TD -
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PIN 3	RD +
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PIN 4	n.c.
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PIN 5	n.c.
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PIN 6	RD -
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PIN 7	n.c.
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PIN 8	n.c.
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Family construction form	terminal
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No. of poles	6
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Gender	female
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Color contact carrier	colorless
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Connection	Spring clamp terminals FK
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PIN 1	0 V
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PIN 2	0 V
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PIN 3	UB
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PIN 4	UB
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PIN 5	UI
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PIN 6	UI
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Family construction form	terminal
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No. of poles	6
--------------	---

Gender	female
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Color contact carrier	colorless
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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	0 V
Family construction form	terminal
No. of poles	6
Gender	female
Color contact carrier	colorless
Connection	Spring clamp terminals FK
PIN 1	DI 4
PIN 2	DI 5
PIN 3	DI 6
PIN 4	DI 7
PIN 5	0 V
PIN 6	0 V