

CUBE20 BUS NODE PROFIBUS-DP

8 digital inputs

Art.No.: 56001

Weight: 0.170 kg

Country of origin: CZ

Model designation: Cube20 BN-P DP-V1 DI8

Bus nodes

DI8 - (BN-P)

Profibus DP

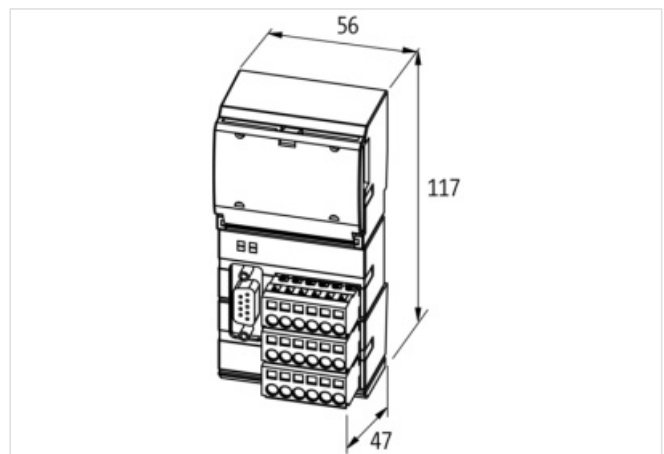
Connection cables are in the online shop under "Connection Technology".

[Link to Product](#)

Illustration



Product may differ from Image



Commercial data

URL Webshop	https://shop.murrelektronik.com/56001
GTIN	4048879049504
EU-Customs tariff number	85176200
US-Customs tariff number	8517620090
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

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: 2026-08-27

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-14.0	27242608
ETIM-5.0	EC001604
ETIM-6.0	EC001604
ETIM-7.0	EC001604
ETIM-8.0	EC001604
ETIM-9.0	EC001604
ETIM-10.0	EC001604
customs tariff number	85176200
EAN	4048879049504
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
filter time	1 ms
Type input	PNP (EN 61131-2)

Industrial Communication

Machine Option Management	Yes
---------------------------	-----

Industrial communication | Bus data

Address setting type	Rotary switch
Address range min.	0
Address range max.	99
Address range inputs max.	244 byte
Address range outputs max.	244 byte

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.	1,5 mm ²
-------------------------------	---------------------

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	ProfiBus In
Connection type 2	X0
Connection type 3	X1
Connection type 4	X2
Family construction form	D-Sub
No. of poles	9
Gender	female
Color contact carrier	white
Family construction form	terminal
No. of poles	6
Gender	female
Color contact carrier	colorless
Connection	Spring clamp terminals FK
PIN 1	0 V
PIN 2	0 V
PIN 3	UB
PIN 4	UB
PIN 5	UI
PIN 6	UI
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	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