

CUBE20 ANALOG INPUT MODULE

4 analog inputs

AI4 - (E) 4× M12 (TH)
for thermo elements

[Link to Product](#)

Illustration



Product may differ from Image



Commercial data

ECLASS-6.0	27242601
ECLASS-6.1	27242601
ECLASS-7.0	27242601
ECLASS-8.0	27242601
ECLASS-9.0	27242601
ECLASS-10.1	27242601
ECLASS-11.1	27242601
ECLASS-12.0	27242601
ETIM-5.0	EC001596
customs tariff number	85176200
GTIN	4048879049177
Packaging unit	1

Electrical data | Supply

Idle current external max.	45 mA
Current consumption max.	25 mA
Total current UA max.	4 A
Total current US max.	4 A
module supply	via system connection

Electrical data | Input

Type input	E, J, K, N, R
Conversion time analog input per channel max.	300 ms

Diagnostics

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

Installation

Connection cross section max.	2,5 mm ²
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Device protection | Electrical

Degree of protection (EN IEC 60529)	IP20
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Mechanical data | Mounting data

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

Environmental characteristics | Climatic

Operating temperature min.	0 °C
Operating temperature max.	55 °C
Storage temperature min.	-20 °C
Storage temperature max.	85 °C

Connection type 4

Connection type 1	X0
Connection type 2	X1
Connection type 3	X2
Connection type 4	X2
Connection	Spring clamp terminals FK
Family construction form	terminal
Gender	female
Color contact carrier	colorless
No. of poles	6
PIN 1	TH 0 +
PIN 2	TH 1 +
PIN 3	TH 0 +
PIN 4	TH 1 +
PIN 5	UI
PIN 6	UI
Connection	Spring clamp terminals FK
Family construction form	terminal
Gender	female
Color contact carrier	colorless
No. of poles	6
PIN 1	KTY 0
PIN 2	KTY 0
PIN 3	KTY 1
PIN 4	KTY 1
PIN 5	0 V
PIN 6	0 V
Connection	Spring clamp terminals FK
Family construction form	terminal
Gender	female
Color contact carrier	colorless

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