

CUBE20 AI4 U/I

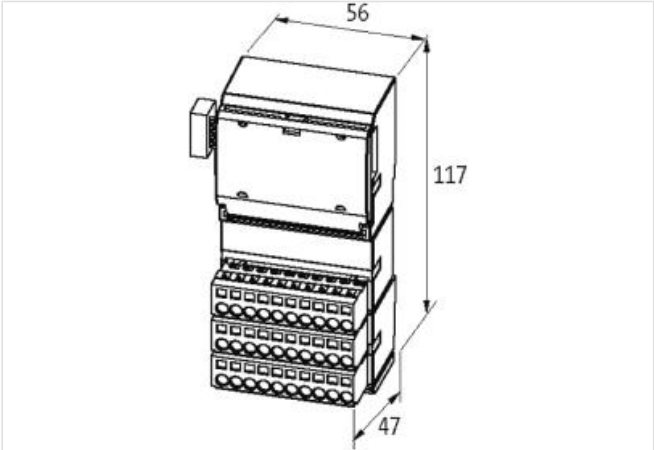
Expansion module
AI4 - (E) I
Voltage/current

[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	4048879049238
Packaging unit	1
Electrical data Supply	
Idle current external max.	60 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	
Working resistance max.	300 Ω
Current input mode 2 min.	4 mA
Current input mode 2 max.	20 mA
Input current min.	0 mA

Input current max.	20 mA
Resistance input min.	1000 kΩ
Conversion time analog input per channel max.	2 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.	-40 °C
Storage temperature max.	85 °C

Conformity

Product standard	EN 61131-2
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Connection type 3

Connection type 1	X0
Connection type 2	X1
Connection type 3	X2
Connection	Spring clamp terminals FK
Family construction form	terminal
Gender	female
Color contact carrier	colorless
No. of poles	10
PIN 1	+ U 0
PIN 2	+ I 0
PIN 3	+ U 1
PIN 4	+ I 1
PIN 5	+ U 2
PIN 6	+ I 2
PIN 7	+ U 3
PIN 8	+ I 3
PIN 9	UI
PIN 10	UI
Connection	Spring clamp terminals FK
Family construction form	terminal
Gender	female
Color contact carrier	colorless
No. of poles	10

PIN 1	0 V
PIN 2	S 0
PIN 3	0 V
PIN 4	S 1
PIN 5	0 V
PIN 6	S 2
PIN 7	0 V
PIN 8	S 3
PIN 9	0 V
PIN 10	0 V
Connection	Spring clamp terminals FK
Family construction form	terminal
Gender	female
Color contact carrier	colorless
No. of poles	10
PIN 1	US
PIN 2	FE
PIN 3	US
PIN 4	FE
PIN 5	US
PIN 6	FE
PIN 7	US
PIN 8	FE
PIN 9	0 V
PIN 10	0 V