

## CUBE67 I/O EXTENSION MODULE

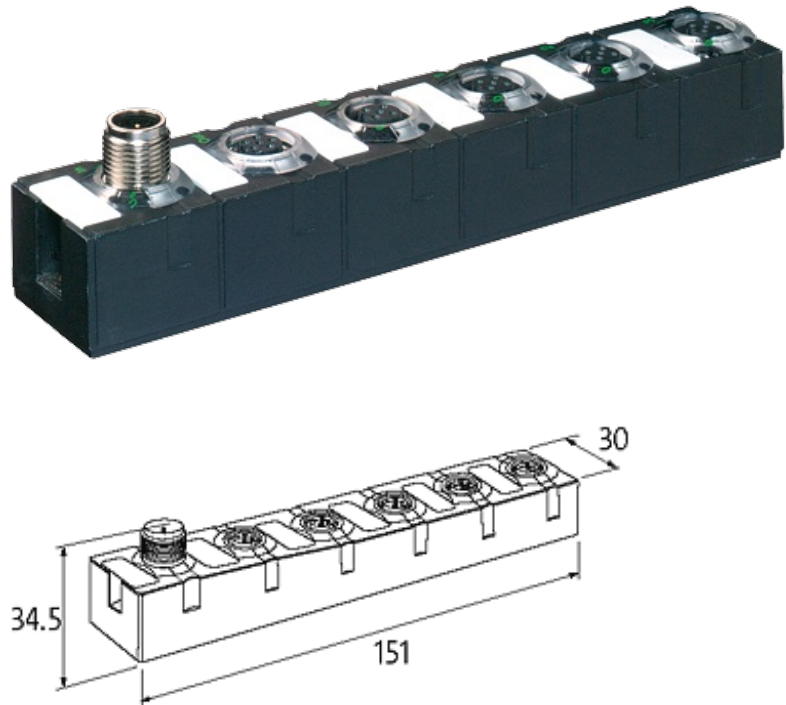
4 analog inputs (TH)

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

Housing fully potted. For connection cables please see chapter "Connection Technology"

### [Link to Product](#)

#### Illustration



Product may differ from Image

#### Approvals



#### Input

Sensor type	K, N, J, E, R
Conversion time (analog)	approx. 65 ms per channel
Resolution (analog)	15 Bit + sign
Accuracy	max. $\pm 0.5\%$ (of range limit)
Connection	2-wire technology

Cold junction compensation	inside M12 connector
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### Internal communication

Current consumption	max. 50 mA
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LED display	US: sensor supply and internal supply voltage (green: OK); UA: actuator supply (green: OK)
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### Connections

Fieldbus	via internal system connection
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Sensor-system/actuator supply	via internal system connection (max. 2×4 A)
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I/O ports	M12 (male) 5-pole, A-coded
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### General data

Protection	IP67
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Mounting method	2-hole screw mounting
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Temperature range	0...+55 °C (storage temperature -20...+75 °C)
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Dimensions H × W × D	150×30×34.5 mm
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### Diagnostic

Communication status	via LED
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Diagnostic via LED	per module and channel
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Diagnostic via BUS	per module and channel
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Monitoring - under voltage	yes
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Monitoring - no voltage	yes
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Actuator warning	per channel via LED and BUS
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Wire break upper/lower limit overload	per channel via LED and BUS
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### Commercial data

country of origin	DE
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customs tariff number	85176200
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minimum order quantity	1
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