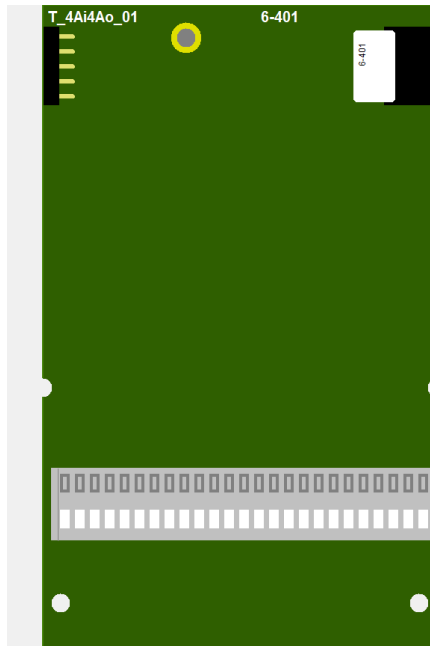


# CAE\_T-4Ai4Ao-01



## 1.1 Description

ID: 6-401

Order No.: CAE\_T-4Ai4Ao-01

Terminal: 25 Pin Sub-D (m)

Size: 6 eT (66mm x 107,5mm)

BBFCP: 3-1-1

The T-4Ai4Ao-0# are high performance analog interfaces for testing and accurate measurement applications. They contain a separate processor to realize a pre-evaluation or an arbitrary generation. Each analog output can deliver up to 100mA, may be there is an external cooling system required.

The IOs, can be adapted via Sub-D connector or push-in clamps. Key features are:

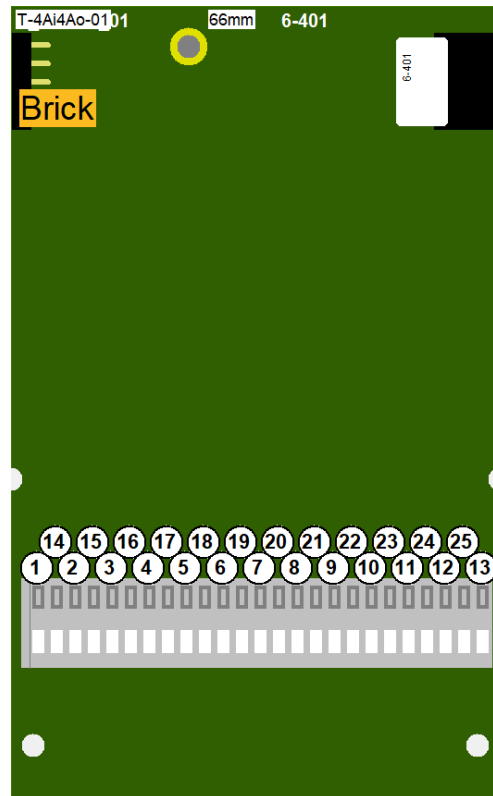
AI:

- 16 Bit ADC, RI = 1M $\Omega$ , <10 kS/s
- full range max Value  $\pm 10,24V$
- no separate active components in the signal path (low noise/errors)

AO:

- 12 Bit DAC, UOut <36V (ext. supply), slew-rate 5V/ $\mu$ s, <10 kS/s
- IOut < 100mA, Push-Pull (with external negative supply)

## 1.2 Connectors and Indication-/Operation-Elements

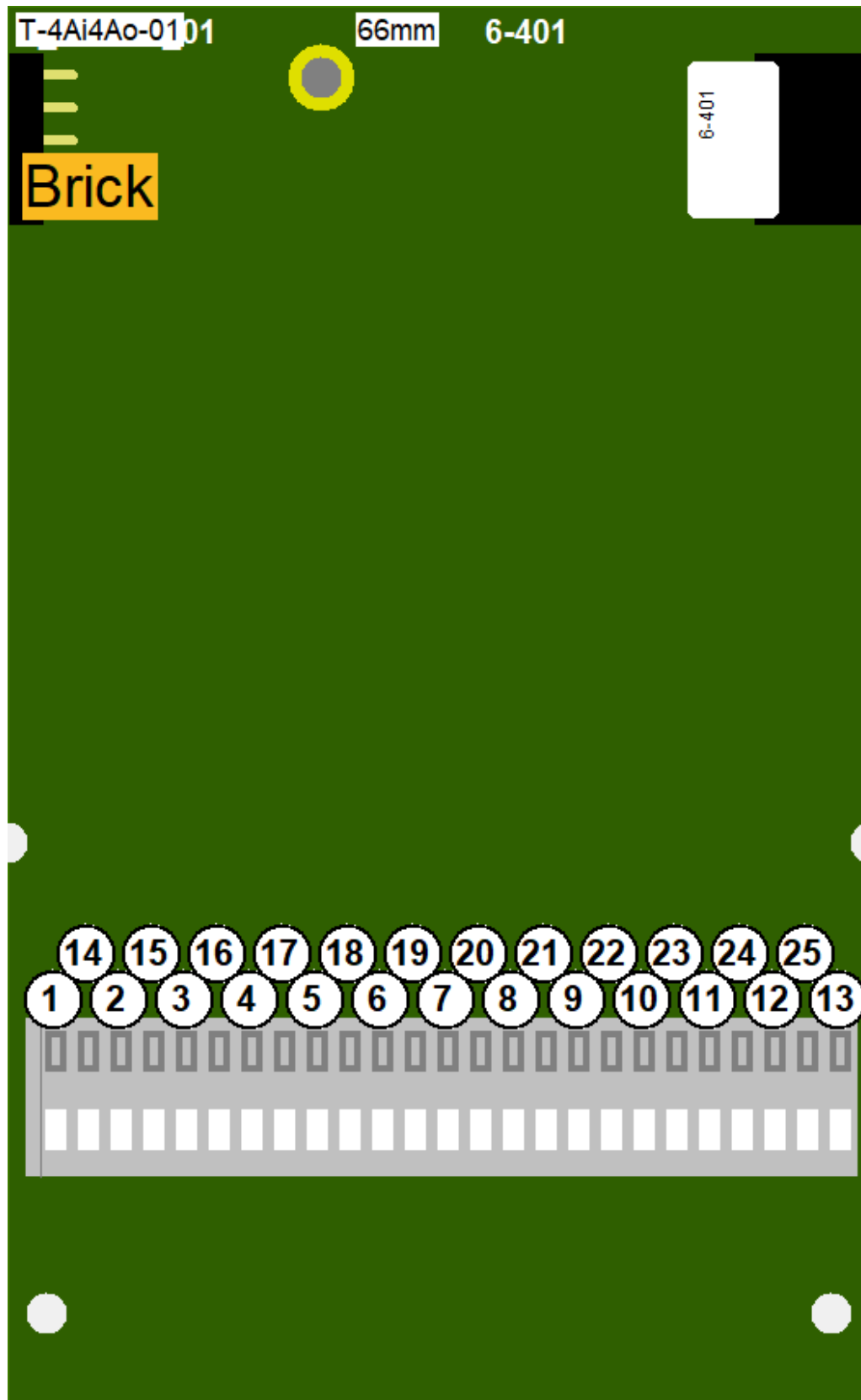


### 1.2.1 LED Indications

| ID             | Type    | Specification | Type / Usage             |
|----------------|---------|---------------|--------------------------|
| Brick.StateLED | SMD-LED | yellow        | communicationstate Brick |

### 1.3 Input-/Output Scheme

The following diagram shows the adaption of the control unit. To avoid overlapping, some wires are displayed interrupted and dashed.



## 1.4 Technical Data

### 1.4.1 User Notes

- Blinking behavior StateLED:  
Each Morse code is 3 seconds long!  
not initialized = flashing continuously at approx. 5Hz  
no communication = short-long-short  
too little communication = short-short-short  
disturbed communication = short-long-long  
OK = continuous flashing at approx. 1Hz (0.6-1.5Hz)

## 1.5 History

On the following page you will find a list of changes that have been made to the product.

### 1.5.1 History

| Date       | Entry scope<br>(HW,<br>SWappl,<br>SWapi,<br>Release) | Entry type<br>(enhancement,<br>improvement,<br>bugfix, release) | Version | Status<br>(development,<br>implemented,<br>tested) | Responsible | Reason for the modification | Items of modification | Impact for (end-)customer | Comment | Location in<br>model/source |
|------------|--|---|---------|--|-------------|-----------------------------|-----------------------|---------------------------|---------|-----------------------------|
| xxxx-xx-xx |  | Release   | 0.99    | Tested   | NSt         |                             |                       |                           |         |                             |

For questions please contact:

|              |  |                      |  |
|--------------|--|----------------------|--|
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|--------------|--|----------------------|--|