

## CES-A-AEA-04B (Order no. 072000)

### Evaluation unit CES-A-AEA-04B/CES-A-UEA-04B (for 4 read heads)

- ▶ 4 read heads can be connected
- ▶ 2 safety contacts (relay contacts)
- ▶ 1 internal normally open contact per safety contact
- ▶ Start button and feedback loop can be connected
- ▶ Unicode evaluation unit
- ▶ Category 4 / PL e according to EN ISO 13849-1



### Unicode evaluation unit

Each actuator is highly coded (unicode). The evaluation unit detects only actuators that have been taught-in. Additional actuators can be taught-in.

Only the last actuator taught-in is detected. New actuators are taught-in by fitting a jumper.

### Category according to EN ISO 13849-1

Due to two redundant relay outputs (safety outputs) with internally monitored contacts, suitable for:

- ▶ Category 4 / PL e according to EN ISO 13849-1

### Actuating range

The evaluation unit has the standard actuating range that, e.g., permits larger tolerances in the alignment of read head and actuator.

TST Input for self-test

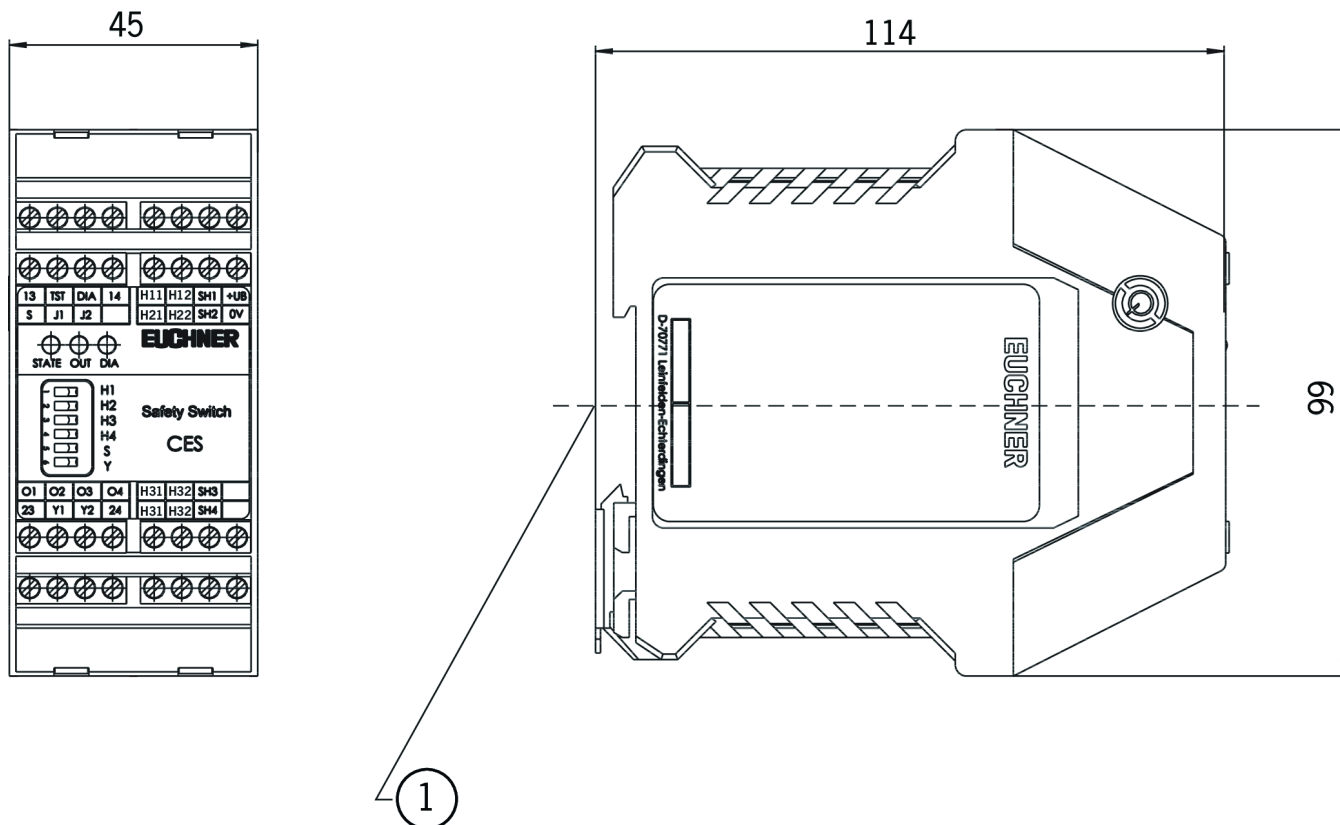
DIA Diagnostic output

O1...O4 Monitoring outputs (semiconductor)

Y1,Y2 Feedback loop

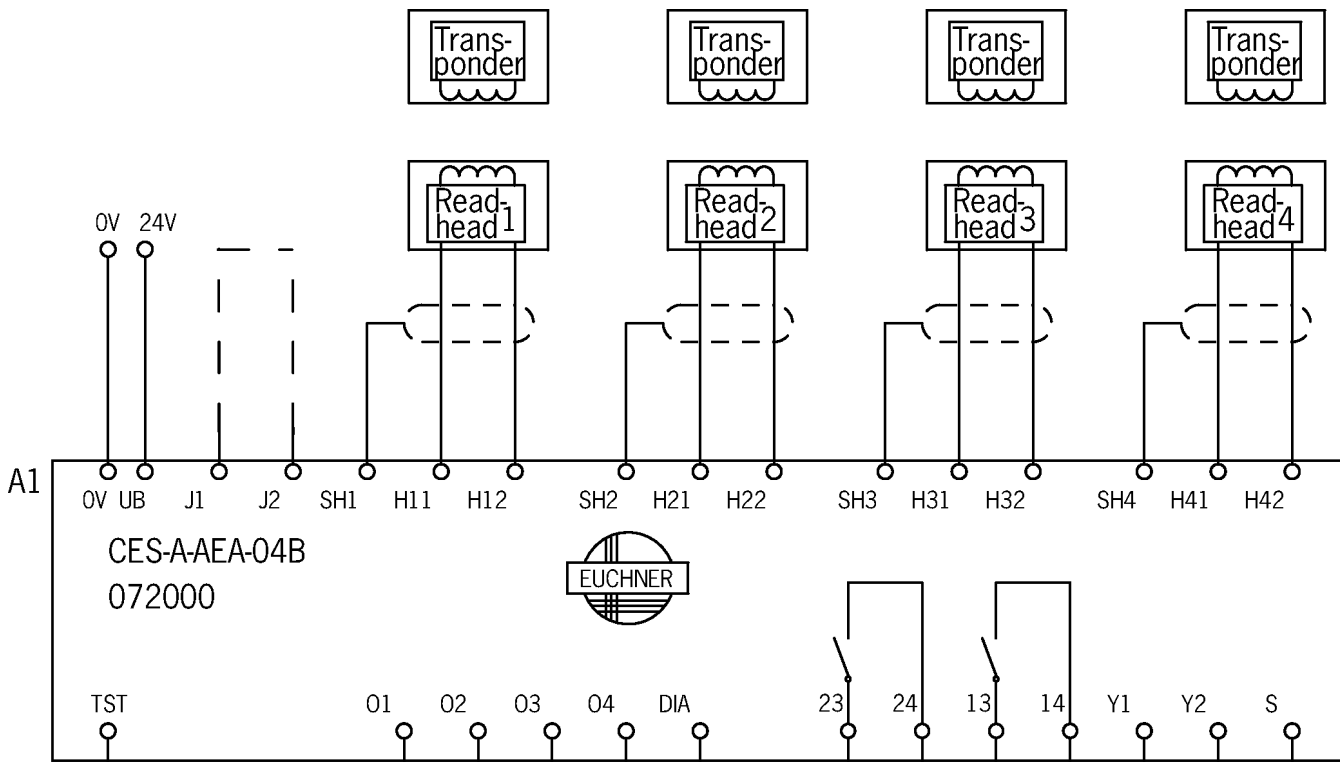
S Start button connection

## Dimensional drawings



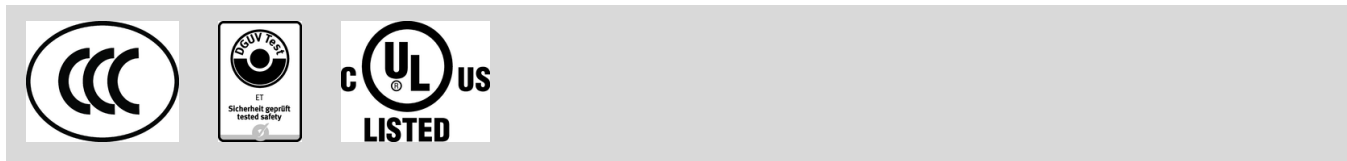
1 Suitable for 35 mm mounting rail according to EN 60715

## Connection examples



## Technical data

### Approvals



### Workspace

Repeat accuracy R
according to EN 60947-5-2    10 %

### Operating and display elements

LED display

Diagnostics LED

Status LED

Safety outputs status

Item	Color	Extras	Note slide-in label	Version	Slide-in label	Switching element	Number	Designation1	LED
		Configuration setting for teach-in operation		DIP switches (H1, H2, H3, H4, S, Y)					

### Electrical connection values

Fuse
external (operating voltage $U_B$ )    0.25 ... 8 A

Connection cross section

Screw terminals    0.25 ... 2.5 mm<sup>2</sup>

Operating voltage DC
$U_B$ 21 ... 24 ... 27 V DC regulated, residual ripple < 5%

EMC protection requirements    Acc. to EN IEC 60947-5-3

Current consumption
(with relay energized)    150 mA
(without taking into account the load currents at the monitoring outputs)

Current via feedback loop    5 ... 8 ... 10 mA