

CES-AZ-AES-04B (Order no. 104780)

Evaluation unit CES-AZ-AES-04B (for 4 read heads)

- ▶ 4 read heads can be connected
- ▶ 2 safety outputs (relay contacts with 2 internally connected NO contacts per output)
- ▶ Start button and feedback loop can be connected
- ▶ Unicode
- ▶ Plug-in connection terminals
- ▶ Category 4 / PL e according to EN ISO 13849-1



Unicode evaluation

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.

Guard lock monitoring

Evaluation units in the series CES-AZ make it possible to use read heads with integrated guard locking for the protection of personnel during overtraveling machine movements. You will find suitable read heads in the accessories

Category according to EN ISO 13849-1

Due to two redundant safety paths (relay contacts) with 2 internal, monitored normally open contacts per safety path, suitable for:

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

Each safety path is independently safe.

LED indicator

STATE Status LED

DIA Diagnostics LED

OUT Safety output status

Additional connections

TST Input for self-test

O1 ... O4 Monitoring outputs (semiconductor)

DIA Diagnostic output

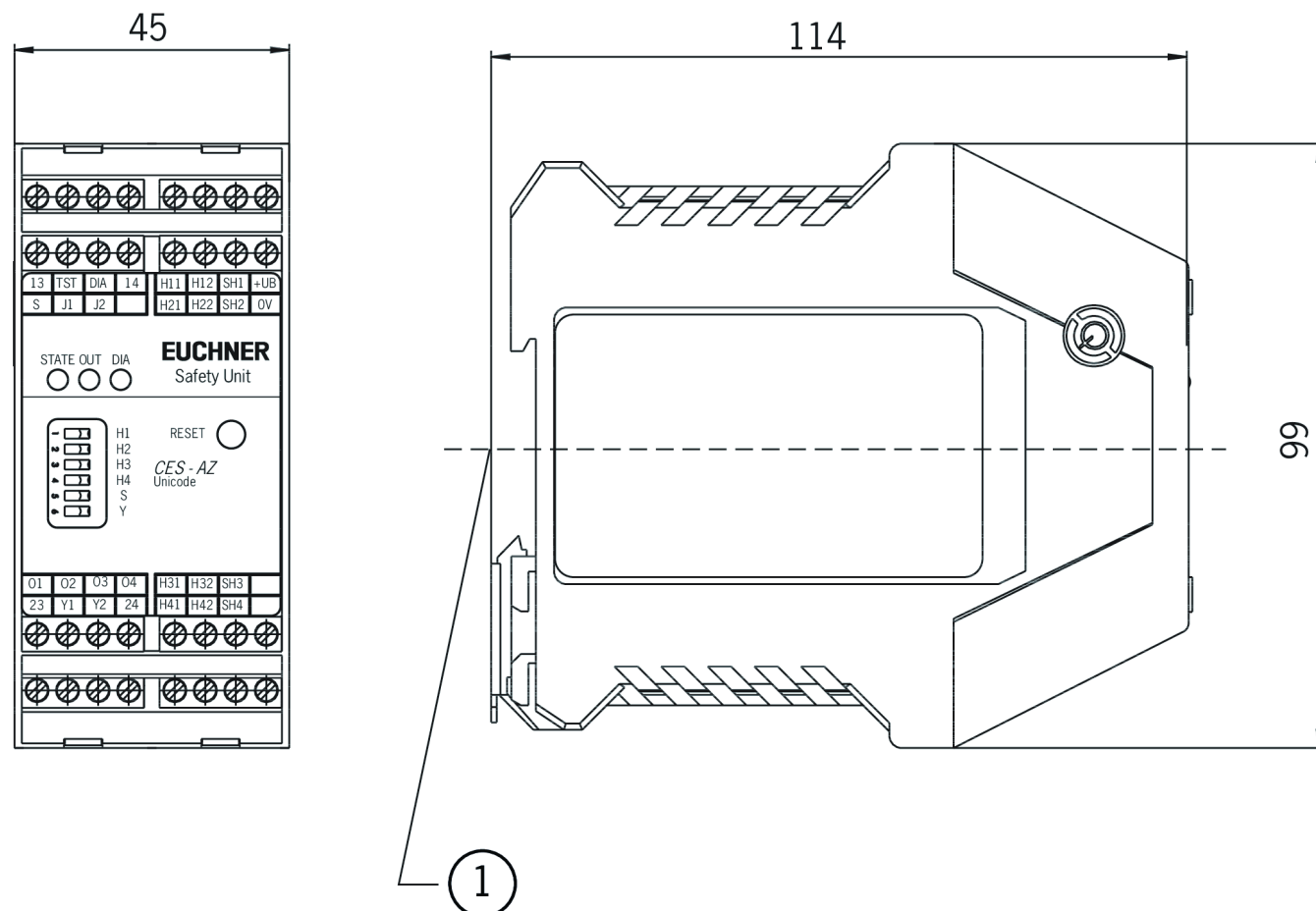
Y1, Y2 Feedback loop

J1, J2 Teach-in input

S Start button connection (monitoring of the falling edge)

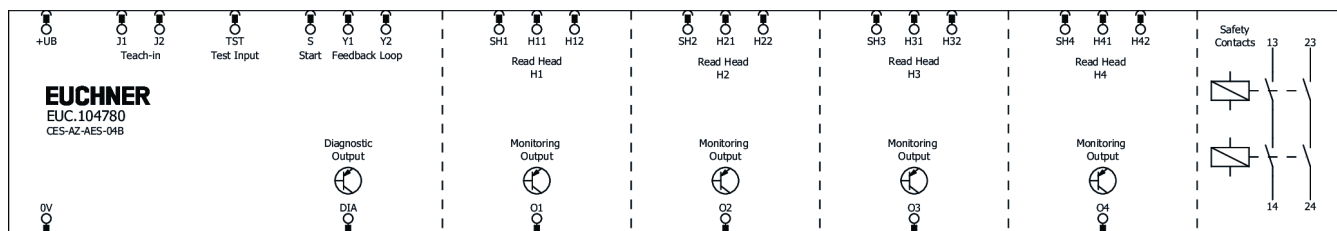
Important: The plug-in connection terminals are not included and must be ordered separately.

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

Safety contacts status

Status LED

Electrical connection values

Fuse

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

Connection cross section

plug-in screw/spring terminals 0.25 ... 2.5 mm²

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

Degree of contamination (external, according to EN 60947-1)

2

permissible resistance in feedback loop

max. 600 Ω

Inputs: start button S, test input TST