

ESM-2H202 (Order no. 098345)

Base unit ESM-2H.. Type IIIC evaluation unit for two-hand control

- ▶ Use up to category 4 according to EN ISO 13849-1
- ▶ Requirement level IIIC according to EN 574
- ▶ LED status indicators
- ▶ Operation by 2-hand control
- ▶ 2 redundant safety contacts
- ▶ Short circuit and earth fault/ground fault monitoring can be selected



Relay outputs

The outputs are electrically decoupled and of redundant design.

Connection

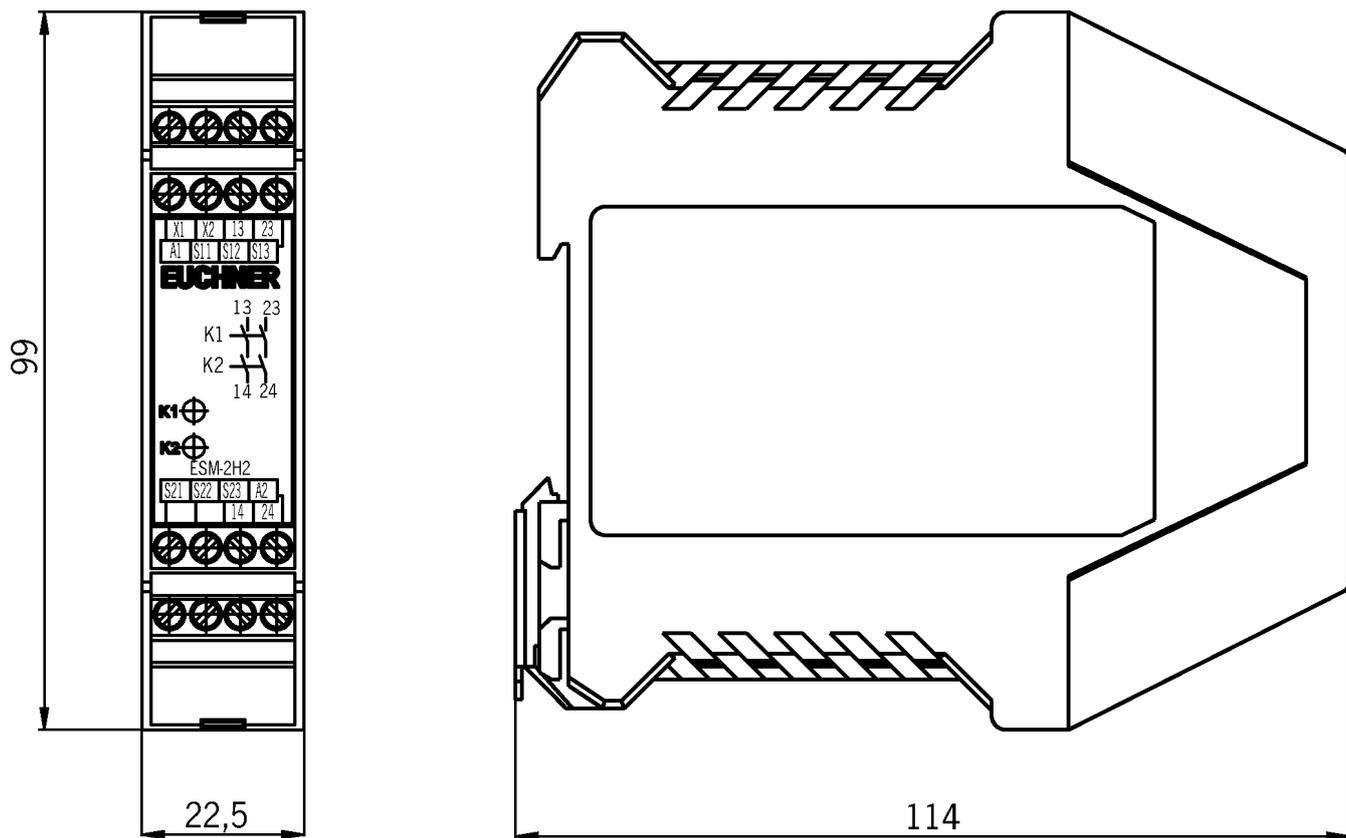
- ▶ Two buttons each with one normally closed contact and one normally open contact that are monitored for simultaneity according to EN 574. In this way a high level of protection against tampering is provided.
- ▶ Short circuit monitoring to detect short circuits between the connecting cables and to shut down the outputs or prevent relay starting if necessary
- ▶ Earth fault/ground fault monitoring to detect short circuits between the connecting cables and earth or ground and to shut down the outputs or prevent relay starting if necessary.

Connection options

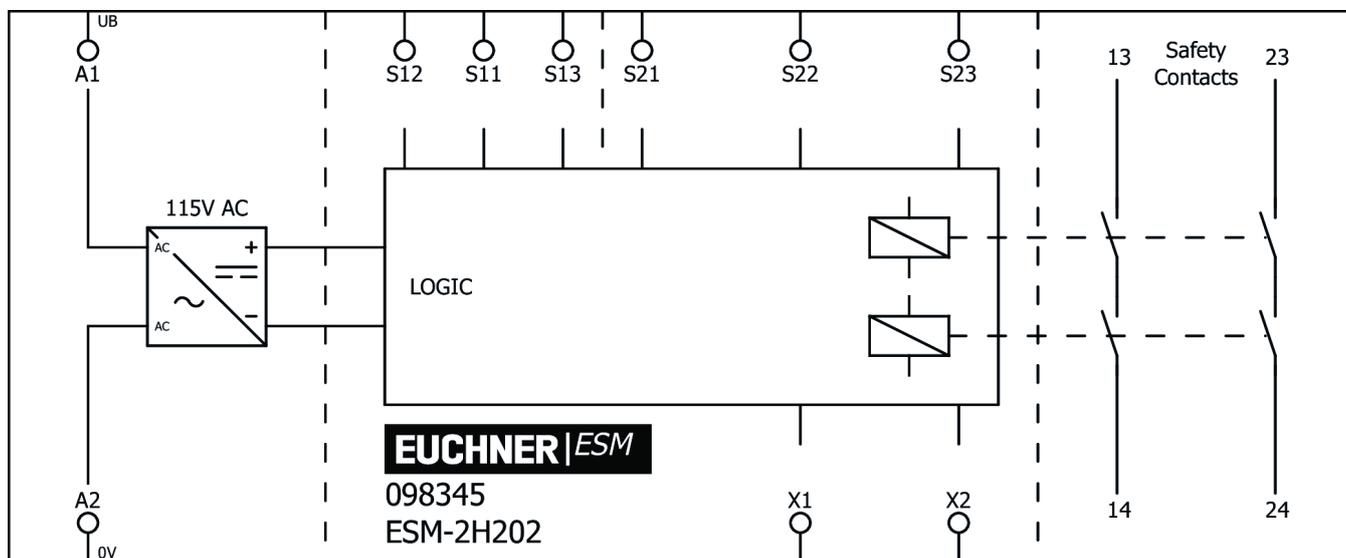
By using suitable wiring the following function can be selected:

- ▶ Monitoring of downstream relays or contactors.

Dimensional drawings



Connection examples



Technical data

Approvals



Operating and display elements

LED display 2 status displays (green) for relays K1 and K2

Electrical connection values

Fuse

External contact fuses (safety circuit) 10 A gG
according to IEC 60269-1

Power consumption (apparent power)

at 230 V AC 3.7 VA

Connection cross section

0.14 ... 2.5 mm²
(Connection terminals (size))

Outputs

Number	Type	Function	Footnote
2	Relay contacts, floating and positively driven (redundant)	Safety contacts 13/14, 23/24	(2 NO contact pairs)

Rated insulation voltage U_i 250 V

Rated supply frequency 50 ... 60 Hz

Rated impulse voltage U_{imp} 4 kV

Operating voltage

AC 115 V -10% ... +10%

Utilization category

AC-12 Safety contact 6 A ohm resistive load, 250V
(6 operating cycles/min.)

AC-15 Safety contact 3A, 250V

DC-12 Safety contact 6 A ohm resistive load, 250V
(6 operating cycles/min.)

DC-13 Safety contact 3A, 24V