

EST-H Electronic Position Indicator

- **Switching state indicator or indication of line and switch defects**
- **radical brightly LED's**
- **Degree of protection IP 54**



Description

The EST-H electronic position indicator serves to indicate on flow schemes the condition of elements. For different elements exist following symbols:

Earth, Switching truck, circle

- symbols according to switch condition
- indication of readiness or malfunction in power circuits by means of LED-symbols or point.

Cross

- indicates switch or valve on off position
- indicates faults of the electronic control by means of crosswise arranged bars of 2 lightend areas each.

In case of an operating voltage cutoff caused by faults, the LED's remain extinguished.

The EST-H provides single- or two line control.

Fixing on the panel is effected by means of a ring nut. A square diaphragm which is supplied on request, may be arranged behind the round front ring.

Technical Data

Indication

Earth, Circle,	: LED red, green, blue or yellow
Switching truck	: LED lightspot red, green, blue or yellow
Readyness indication	: LED lightspot red, green, blue or yellow
Cross	: LED red, green, blue, yellow or vertical red/horizontal green

Control voltages

	: 12, 24, 42, 48, 60, 100, 110, 220, 230 V AC or DC
	: $\pm 10\%$ für AC (45...65 Hz) + 25% - 15% für DC
Power consumption	: max. 1,6 W at 230 V AC
current consumption	: for volt. > 60 V < 60 V
Earth, Circle,	
Switching truck	: 7 mA 14 mA
stand-by	: 4 mA 8 mA
Cross	: 5,2 mA 10,4 mA

Electrical lifespan

MTTF	: 36,7 a
------	----------

Operating conditions

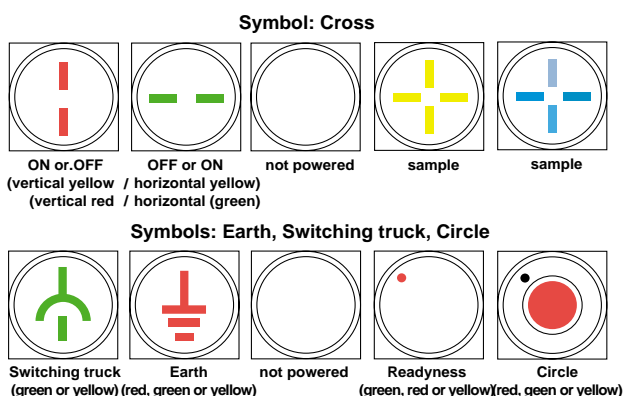
Operating temp.	: - 10 °C ... + 70 °C
Storage temp.	: - 20 °C ... + 40 °C
Degree of protection	: IP 54, terminals IP 00

Case design

Case	: polyamide, with ring fastener
Dimensions	: refer to outline drawings
Panel cutout	: 32 mm diam
Panel thickness	: max. 13 mm
Terminals	: for 6.3 quick-connect receptacle
Weight	: approx. 50 g
Accessories	: mounting ring, 3 flat plug sleeves 6,3 (belongs to delivery)

CE-sign

- Safety requirements for electrical equipment for measurement, control and laboratory use EN 61010-1
- Degree of protection provided by enclosures EN 60529



Ordering text

Order no. EST - H - 1915 - x x - x x x - x x

Control voltage:

12 V	0 1
24 V	0 2
42 V	0 3
48 V	0 4
60 V	0 5
100 V	0 6
110 V	0 7
220 V	0 8
230 V	0 9
125 V	1 0

Symbol:

Earth, red	1 1
Earth, green	1 2
Earth, yellow	1 3
Earth, blue	1 6
Switching truck, red	2 1
Switching truck, green	2 2
Switching truck, yellow	2 3
Switching truck, blue	2 6
Kreuz, red	3 1 0
Cross, green	3 2 0
Cross, yellow	3 3 0
Cross, vertical red/horizontal green	3 4 0
Cross, vertical green/horizontal red	3 5 0
Cross, blue	3 6 0
Circle, red	4 1
Circle, green	4 2
Circle, yellow	4 3
Circle, blue	4 6

Readiness indication:

without	0
LED, green	1
LED, red	2
LED, yellow	3
LED, blue	6 4

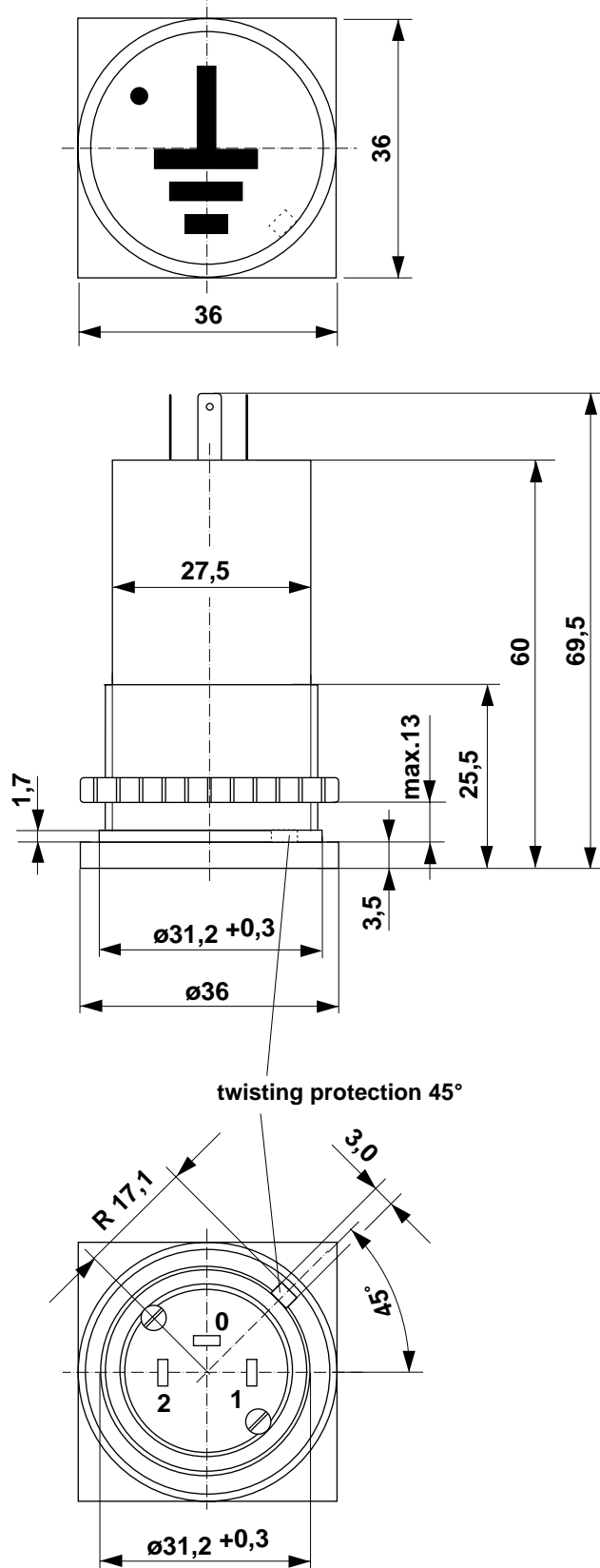
Diaphragm:

with	1
without	2

twisting protection:

without	0
mit	1

more symbols on request



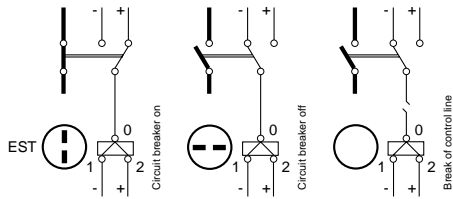
Dimensions

EST-H Electronic Position Indicator

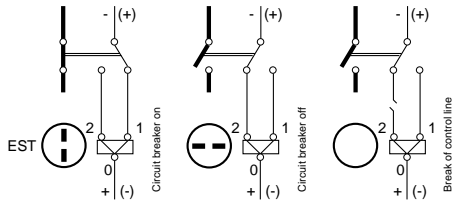
sheet 2

Connecting diagrams: Cross

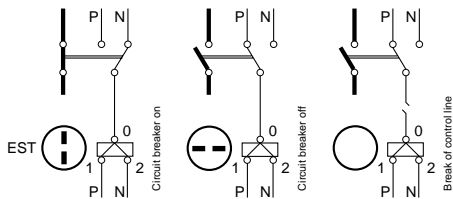
DC voltage / single-wire control



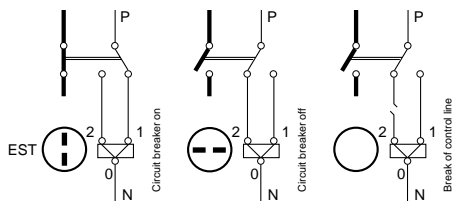
DC voltage / two-wire control -
minus line (or plus line) connected



AC voltage / single-wire control

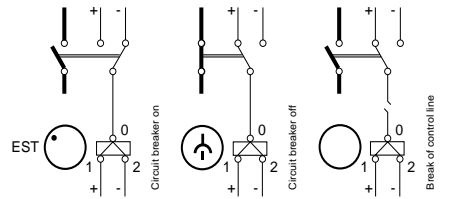


AC voltage / two-wire control

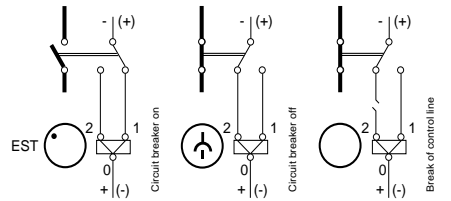


Connecting diagrams: Earth, Switching truck, Circle

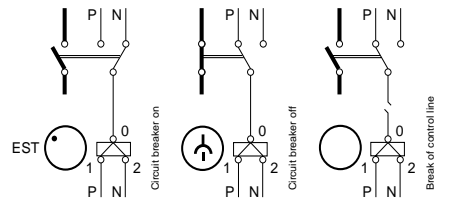
DC voltage / single-wire control



DC voltage / two-wire control -
minus line (or plus line) connected



AC voltage / single-wire control



AC voltage / two-wire control

