



Description

The relay type E94 fast trip relay or auxiliary tripping relay is intended to be used in control and protection circuit for applications requiring high reliability and availability such as power stations, substations, railways and industrial plants. The relay has been designed for flush mounting style, the robust contacts are characterized by high making/breaking capacity, overload capacity and continuous current intensity capacity. Their high degree of protection ensure reliable operation in tropical and/or salty sea air ambient conditions.

Regarding to the auxiliary tripping relay or fast trip relay. The Pick-up time of the relay E94 is less than 8ms. and Drop-out time is less than 40ms. The relay type E94 are consist in two versions, the first version is E94-3 which has three changeover contacts, flush mounting type with screw-type terminals at the rear. The second is E94-6 which has six changeover contacts and other specifications are the same as the first one.

Standards and Test

The relays E94 series comply with the IEC/EN, IEEE standards (type test and routine test)

The relay has electrical tests performed according to EN 60255

- | | |
|------------------------------|--|
| - Insulation | 2 kV/50 Hz/ 1 min |
| - Impulse withstand strength | 5 kV/1.2/50 μ s |
| - Dielectric strength | >2000 M Ω /500 V (peak to peak) |

Flammability tests according to IEC 60692-2-1

Plastic materials UL 94 : VO

(acc. to IEC 60695)

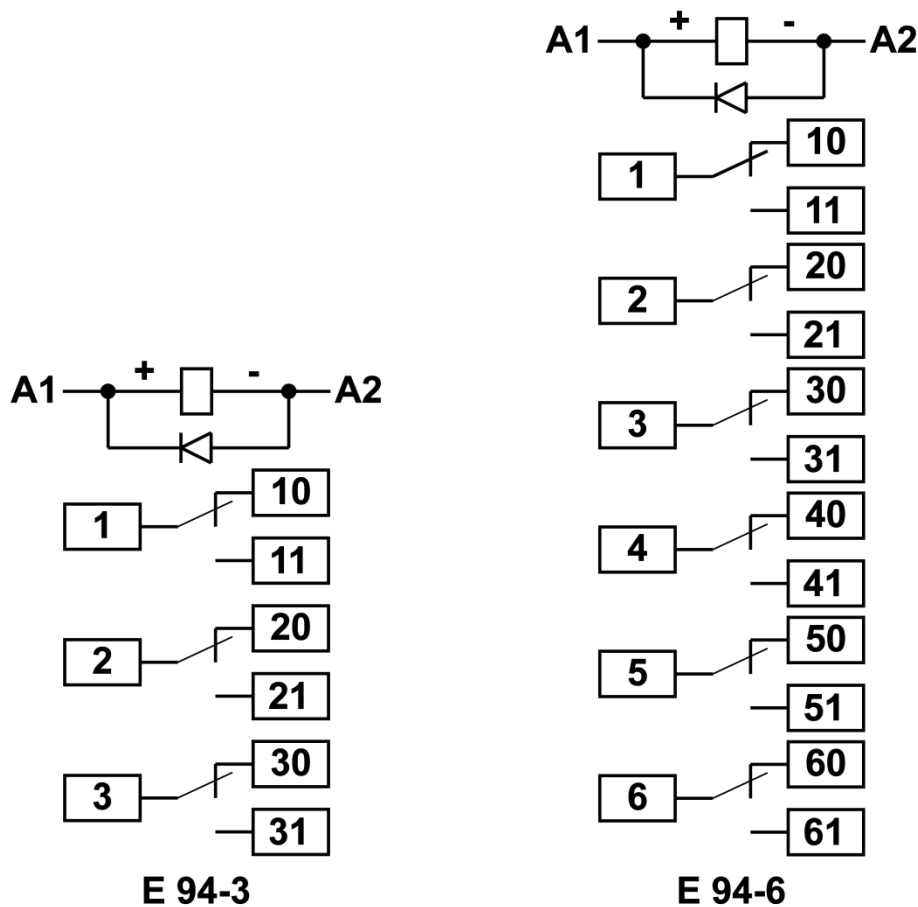
Degree of protection IP50

(acc. to IEC 60529)

Technical Data

Input voltage system	48/110/125/220 VDC
Pick-up time	< 8ms
Drop-out time	< 40ms
Relay output	3 Changeover contacts (E94-3)
	6 Changeover contacts (E94-6)
Switching contact continuous current	10A at 110 Vdc
	40A at 250Vac
Overload capacity	80A/200ms
Operating temperature	0-55°C
Storage temperature	Up to 70°C
Relative humidity	Up to 90% (no dew drop)
Function indicator	Operated (LED color: Red)

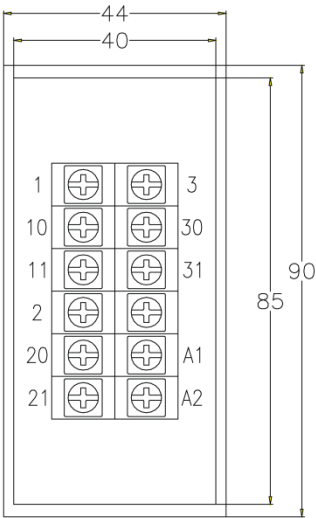
Connection Diagrams



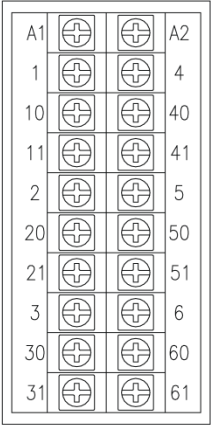
Dimension



Front view
E94-3 and E94-6



Rear view
E94-3



Rear view
E94-6

Ratio 1:1 mm.

Product Coding

