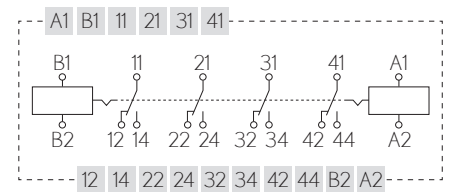


Technical Data

SSPE 34 / SSPE 56

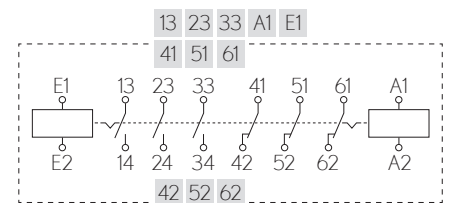


Wiring diagram



SSPE 34

KS232-4



SSPE 56

KS232-5

Function

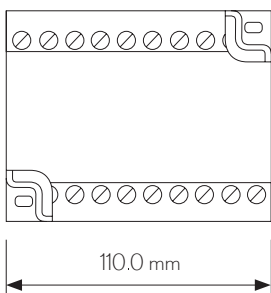
The latching relays consist of two separate magnet systems. On applying the nominal voltage to A1/A2, the SSPE 34 moves to the contact position 11/14 (SSPE 56: 13/14 closed). Because this is a bistable relay, it means that the operated conditions of the contacts are maintained even in the case of power failure or power interruption. Upon applying the nominal voltage SSPE 34 to B1/B2 (SSPE 56: E1/E2), the relay moves back to the contact position 11/12

(SSPE 56: 13/14 open). The relay contacts have no preferred position and can form any possible combination in their delivery state. For this reason, the relay should be set in the required position before commissioning. It is imperative to avoid excitation of both coils simultaneously, as this will endanger the switching operation and no defined state can be guaranteed. Both coils must be operated using the same voltage.

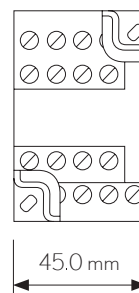
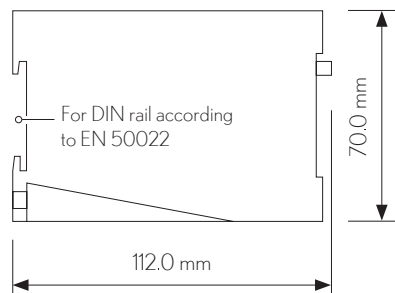
Electromechanical elementary relay

- Function: Latching relay
- Contact complement:
SSPE 34: 4 changeover
SSPE 56: 3 break contacts & 3 make contacts
- Front dimensions:
SSPE 34: 110.0 x 70.0 mm
SSPE 56: 45.0 x 77.0 mm

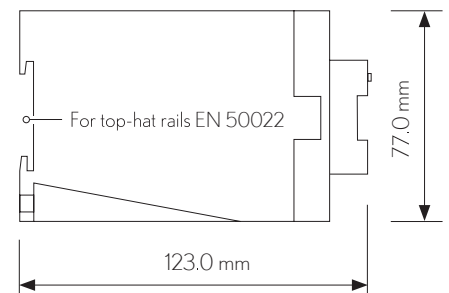
Dimensional drawings



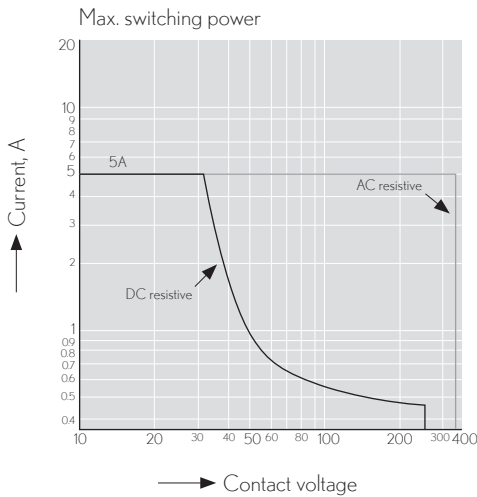
SSPE 34



SSPE 56

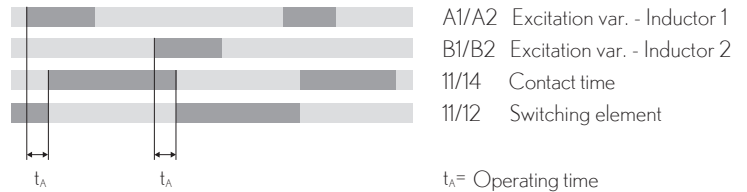


Rated voltage

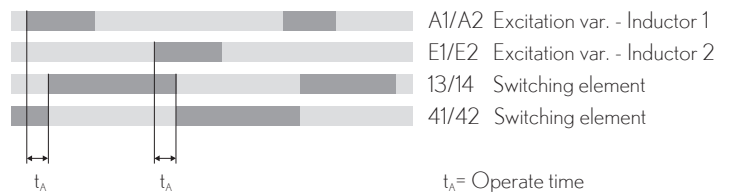


Function diagram

SSPE 34



SSPE 56



Technical data

Product standard

EN 61810

Function type

Electromechanical latching relay

Supply circuit

Nominal voltage U_N :

24 V AC/DC bis 230 V AC/DC

Nominal frequency:

50 and 60 Hz

Power consumption during the switching operation:

Max. U_N * 120 mA

Operating voltage range:

0.8 bis 1.1 x U_N

Output circuit

Contact complement:

SSPE 34: 4 changeover

SSPE 56: 3 break contacts & 3 make contacts

Contact material:

AgSnO₂

Nominal switching voltage U_N (see figure above):

400 V AC / 30 V DC

Max. continuous current I_N :

5 A

Utilization category under DIN EN 60947-5-1

AC-15: 250 V AC, 13 A

(VDE 0660 Teil 200): 2000-08; EN 60947-5-1

DC-13: 250 V DC, 10.2 A

1997 + A12: 1999 + A1: 1999 + A2: 2000

Permitted switching rate:

≤ 3600 operating cycles / h

Mechanical service life:

10⁷ switching cycles

Electrical service life (with resistive load and 20 switching cycles per min.):

10⁵ (AC), 5*10⁴ (DC)

Time to stable closed condition:

≤ 50 ms

General data

Air gap and creepage distances between the electric circuits by:

DIN EN 60664-1: 2008-01; VDE 0110-1: 2008-01

Impulse voltage withstand level:

4 kV

Overvoltage category:

III

Pollution severity:

3 outside, 2 inside

Rated voltage:

AC 250 V

Test voltage U_{eff} 50 Hz nach DIN VDE 0110-1, Table A.1:

2.21 kV

Type of protection to DIN EN 60529: Enclosure / terminals

IP 30 / IP 20

Ambient temperature, working area:

-10 to +55 °C

Weight:

0.3 kg