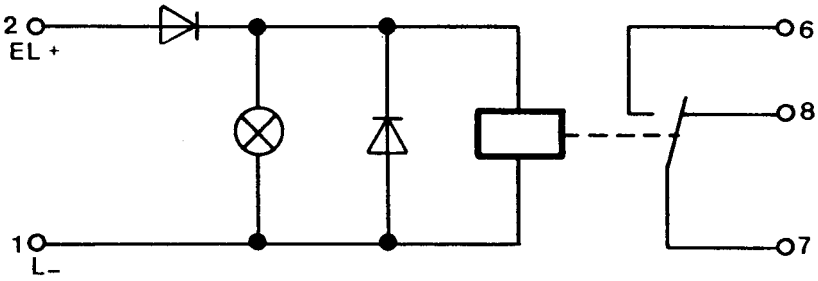
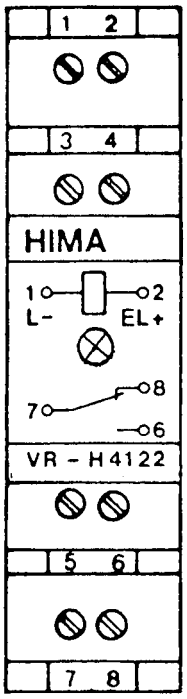
H 4122

H 4122: Relay in terminal block case
without switching amplifier





The relay is used to transfer signals between HIMA systems and other systems. Mounted in a terminal block case the relay enables to shift the transfer to the connection area (terminals), and so the influence of external voltages can be prevented.

When arranged on a mounting rail, a turnable snap-fit device enables to align the terminals for the external voltage always to the plant side. The terminal cases can be mounted on all mounting rails according to DIN 46277 sheet 1 to 3.

Output	1 floating changeover contact, dust tight contact data cf. reverse
Switching time	approx. 10 ms
Operating data	24 V DC / -15...+20 %, r_{pp} < 15 %, 40 mA
Ambient conditions	-25...+50 °C

Relay data

Contact material	silver, gold-flashed
Switching voltage	≤ 250 V AC
Switching current	≤ 4 A
Inrush peak current	12 A (1 s, non-periodic)
Sw. capacity AC	≤ 1000 VA, cos φ > 0.5
Sw. capacity DC	non-inductive, up to 30 V: ≤ 120 W up to 250 V: ≤ 50 W
Protection fuse for the contact	≤ 4 A - MT
Operate time	approx. 10 ms
Release time	approx. 10 ms
Bounce time	approx. 3 ms
Admissible switching frequency	10 cycles per second
Life	
mechanical	approx. 2 x 10^8 cycles
elektrical	approx. 2 x 10^5 cycles at 230 V AC, 4 A, 1 cycle/s; approx. 6 x 10^6 cycles at 24 V DC, 4 A, 2 cycles/s

The mechanical end electrical data of the miniature relay comply with VDE 0435, "Rules for electrical relays in power systems".

The relay has a **safe isolation** between the input and the output, according to DIN VDE 0106 part 101 (11.86).The clearance in air and the creepage distance are dimensioned for overvoltage class II up to 300 V.

Mechanical construction and dimensions

Cross section of wires:
≤ 2.5 mm^2 (AWG 14)