Bi-stable memory relay
Type 8587

8587

Description

The bi-stable memory relay type 8587 functions as a memory relay for capturing transient switching states or events. Due to its low input switching capacity and fast response speed, it is practical for any potential-free switching contact. Another special feature of this relay is that it retains its switch position even in a power failure until an on-site or a remote reset contact is actuated.

Function

The relay is constructed as a bi-stable relay with state-of-the-art components. Through voltage and current limiting measures the control circuit voltage is restricted to ≤ 10 V DC, and the short-circuit current (the maximum current that flows over a closed switch contact) is restricted to ≤ 1.4 mA. The integrated voltage-stabilized switch amplifier and flawless triggering of the switch amplifier enable accurate and unequivocal switching behavior even with creeping or poor contact.

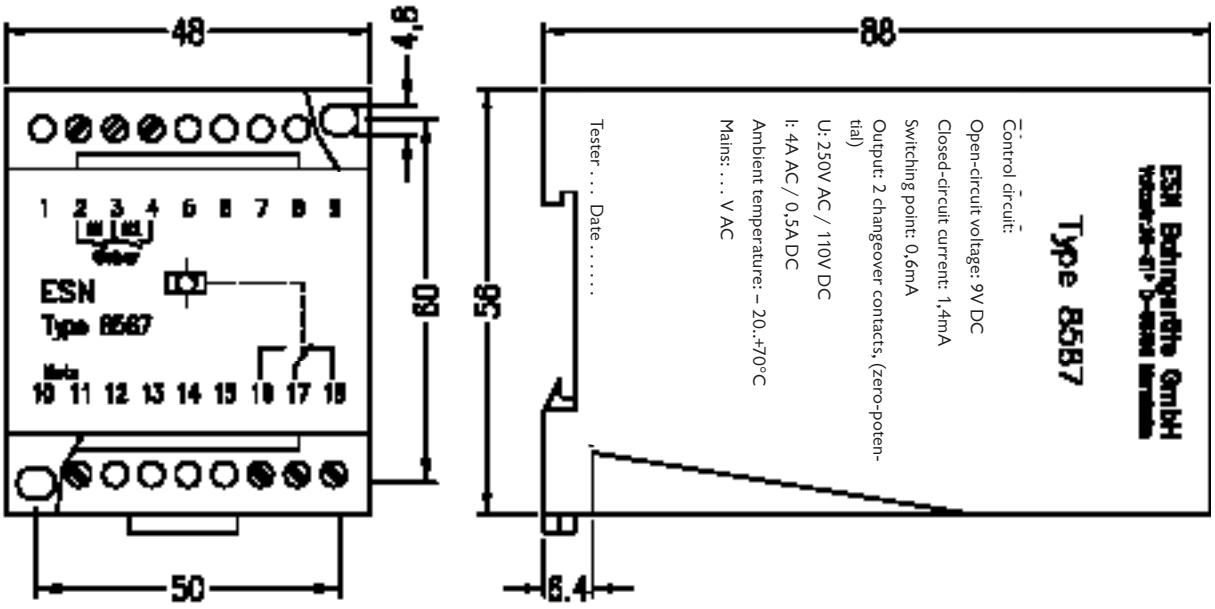
The switch amplifier is also ready to process a switching impulse, for example to K2, if the K1 contact is not closed (or vice versa).
Please see the complete Product Binder for additional special relays.

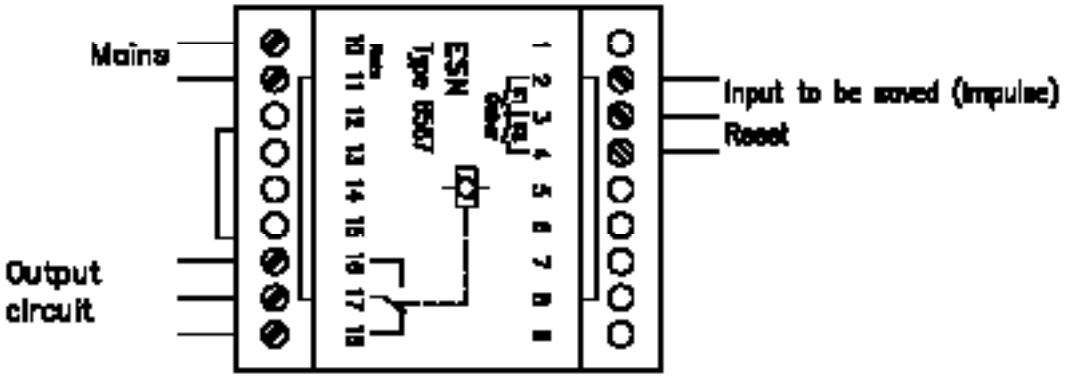
Technical Data

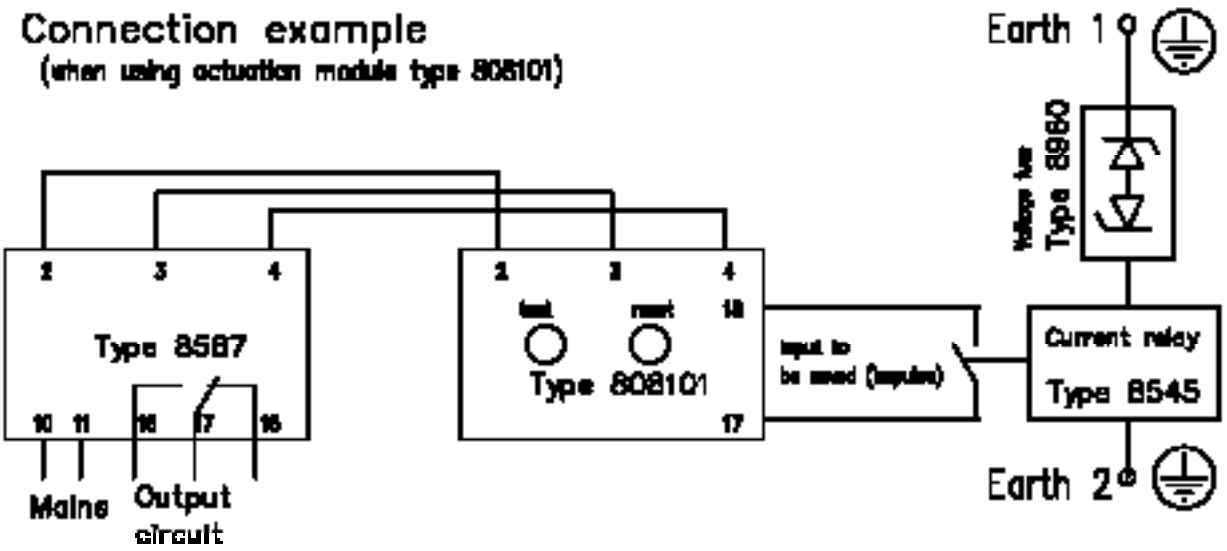
Dimensions	W/H/D = 60/70/110 mm
Housing	Polystyrol
Mounting	2 bores per DIN 43604 or standard support rails per DIN EN 50022
Protection class	Housing: IP 30; Terminals: IP 20
Ambient temperature	-20°C to +70°C
Supply voltage	AC 230 V, 115 V, 24 V DC 24 V
Current consumption	approx. 1.5 VA
Control circuit	
No-load voltage	≤ 10 V DC
Short-circuit current	≤ 1.4 mA
Switch point	approx. 0.6 mA
Output	1 change-over contact (potential-free) Voltage / Current AC 250 V / 4.0 A DC 110 V / 0.5 A
Switch state indication	LED
Relay function "bi-stable"	switch position remains in place even during power failure
Trigger behavior "dynamic"	minimum impulse duration 50 ms
Accessories	Actuation module type 908101, order no. 320101

Ordering Information

Type	Order No.
8587	**320100**


48
4,8
88
60
58
50
6,4
ESN
Type 8587
Tester . . . Date . . . . . .
Control circuit:
Open-circuit voltage: 9V DC
Closed-circuit current: 1,4mA
Switching point: 0,6mA
Output: 2 changeover contacts, (zero-potential)
U: 250V AC / 110V DC
I: 4A AC / 0,5A DC
Ambient temperature: – 20..+70°C
Mains: . . . V AC
Type 8587


Mains
Output circuit
Input to be saved (Impulse)
Reset
ESN
Type 8587


Connection example
(when using actuation module type 808101)
Earth 1
Earth 2
Type 8587
Type 808101
Current relay
Type 8545
Mains
Output circuit
Input to be saved (Impulse)