

Voltage Indicator Relay

Type 8592 with or without magnetic shielding

8592



Description

The type 8592 voltage indicator relay was developed especially for using in switching units (indoor units).

Experience in the construction of voltage indicator relays and a commitment to implementation of this knowledge in development led to a small and compact relay. The voltage indicator relay can be used for both a nominal DC voltage of 600 V +20%/-30% and of 750 V +20%/-30%, meaning that just one unit can be used for two different nominal voltages.

The electric strength of 8 kV_{DC} required in accordance with EN 50124 Part 1: 2001 is fulfilled, as well as the 4,3kV_{eff} between the output contacts.

The relay is installed in a plastic housing with the connections at the top and is suitable both for screw fastening as well as for installation on normal carrying rails in accordance with DIN EN 50022.

The internal part of the relay is encapsulated and hence protected against environmental influences.

As standard, the relay is provided with two changeover contacts (reed contacts).

Do not exceed the specified maximum values. (Caution when using incandescent lamps due to their cold resistance)

The version **without** magnetic shielding is suitable for switching cabinet environments in which there are no large currents (<<Magnetic fields).

The version **with** magnetic shielding contains soft iron encapsulation to counteract external magnetic influences. The magnetic influences on the unit are reduced by a factor of 6-7 compared to the version without shielding. See the complete brochure folder for additional relays.



Technical data

Dimensions	WxHxD 60/70/110 mm
Housing	Polystyrene
Attachment	2 holes in accordance with DIN 43604 standard carrying rail in accordance with DIN EN 50022
Type of protection	Housing: IP 30 Terminals: IP 20
Ambient temperature	-20°C to +70°C
Coil	
Nominal DC voltage	600 V to 750 V (+20%/-30%)
Auxiliary power	none
Resistance	approx. 500 kΩ
Power drawn	U _N = 600 V: approx. 0.7 W U _N = 750 V: approx. 1.1 W
U_{draw-in}	400 V +/-10%
U_{drop-out}	200 V +/-20%
Contact (reed contact)	2 changeover contacts (zero-potential)
Switching rating	max. 80 VA/60 W
Switching voltage	max. 250 V
Switching current	max. 1 A
Electric strength	8 kV _{DC} conductor rail voltage - contact 4,3kV _{eff} contact - contact
Place of installation	Indoors installation

Ordering information

Type	Part No.
without magnetic shielding 8592 00	230500
with magnetic shielding 8592 01	230501

Other operating temperatures, nominal voltages, draw-in and drop-out values, contacts and switching rated capacities, additional magnetic shielding, etc., are available on request.

