

Electronic signalling relay

Type 8595

8595



Description

The type 8595 signal relay serves as a connecting relay (interface) between the power supply unit of railway track systems using direct current with DC voltages of up to max. 1000 V at the control side.

A typical application situation is for use as a signal relay with actuation (actuation relay) via a contact wire contact. Perfect switching is obtained with a contact time of just 10 ms. In practice, this means that contact can be made with certainty, almost regardless of the length of the contact wire contact and the speed with which the contact wire contact is travelled.

The standard form of the relay has a drop-out delay of 0.6 s = 600 ms (different values on request).

The large operating voltage range means that the signal relay can be guaranteed to work as well when used as a normal switching relay. The effect of voltage drop-outs can be excluded within certain limits, regardless of the timing period.

2 zero-potential changeover contacts are provided as output. The switching state of the relay is indicated by an LED.

In order to ensure maximum electric strength and to exclude environmental influences, the entire switching section of the relay is encapsulated.

Function

The type 8595 signal relay is a relay with an electronically clocked power supply. The latest electronic components provide the wide range of operating voltages while drawing the least possible amount of current. This guarantees a high level of safety and stability of the individual parameters and of the entire relay. For overvoltage protection of the relays there is an internal varistor connected to terminals RL+ and RL-.

The special electronic switching also permits optimal adaptation to handle special application problems.



Technical data

Dimensions	WxHxD 45/99/115 mm
Housing	Polyamide (green)
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 (Electrical switching completely encapsulated up to the terminals)
Ambient temperature	-20°C to +70°C
Control voltage	DC 50 V to 900 V (max. 1000 V)
Trigger value	< DC 50 V +/- 5%
Power drawn	max. 2.5 W
Switch-on contact	Permanent contact or pulse-type contact min. duration 3 ms
Operating voltage	Control voltage
Output	2 changeover contacts (zero-potential) → 8595 00 Voltage Current AC 250 V 4.0 A DC 110 V 0.5 A
Draw-in delay time	max. 10 ms
Drop-out delay time	0.6 s with bridge terminal 6-7: 2.5 s
Electric strength	Input-output = AC 5 kV, 60s EN 50123-1:1995 7.5.2
Displays	LED

Ordering information

Type	Part No.
8595 00	320200

Special trigger values, drop-out delay times and special versions are available on request.

