

Short Circuit Relay KZR-8Sxx for 5A – Transformer / 1A – Transformer



Technical Data KZR-8S

Auxiliary Voltage	: 9 ... 34V DC
Power Consumpt.	: ca. 3 VA
Delay Time	: adjustable: 0,1 ... 100 s
systematic	: 50 ms + tx +/- 50 ms for t>0
Burden	: < 0,01 Ohm
Relay Outputs	: 230 V / 50 Hz / 2 A
Ambient Temperature	: -20 ... +55 °C
Meas. Error	: nominal frequency : < 1 %
Measuring Inputs	: 10*I _{Nenn} 1 ms
Overload Resist.	: 4*I _{Nenn} constantly
Type of Protection	: IP20
Dimensions W / H / D	: 100 x 75 x 110 mm

additionally for KZR-8SA

Analogue Output:	12 Bit
Burden	: ≥ 1 kOhm
Internal Resolution	: better 0,5 %
Refresh Rate	: approx. 200/s
Output Voltage	: max. 10,7 V

The KZR-8Sxx* Short - Circuit Relay monitors the current in three-phase networks. It is equipped with 2 limit value relays, whose response values can be set independently of each other, ranging from 0.2 A to 20 A for the 5A variant and from 0.04 A to 4 A for the 1A variant. Separate delay times and switching behaviours are adjustable for each limit value. For the current measurement, which is done via transformers, current transformers, suitable for the adapting to the measurement circuits, are to be provided. The auxiliary voltage and release input (terminals 1 - 3) are galvanically separated from the measurement circuits. The current measurement circuits (terminals 10 - 15) are galvanically separated from each other and from the other electronics.

The protective device is available in the variants KZR-8S and KZR-8SA¹ (¹ with analogue output - no galvanic isolation).

Special Feature: The threshold relay 1 can operate as a current-depended delayed overload relay. This behaviour is modelled on the thermal / temporal overload triggering of motor circuit breakers. The KZR-8Sxx meets the VDE 0108 requirement with 110 % nominal current within a 12-hour interval. This current-dependent overload trigger can be switched off, resp. combined.

Use the parameterisation-software, which in its latest version is available as download on our homepage www.koralewski.de to adjust the settings of the device.

* The designation KZR-8Sxx in this document is substitutionally used for all available variants of the short circuit relay KZR-8S.

Ordering Information:

KZR-8S / 5A / 12 - 24V	: E1463
KZR-8S / 1A / 12 - 24V	: E1464
KZR-8SA / 5A / 12 - 24V	: E1465
KZR-8SA / 1A / 12 - 24V	: E1465

Accessory:

USB cable (USB-A : B mini)	: KC0215
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