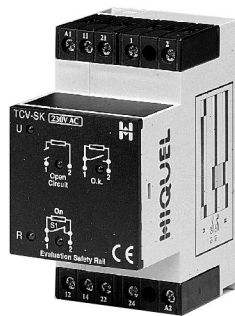


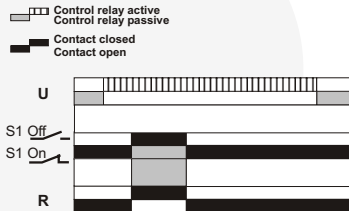
TCV-SK

overview

- ◆ safety edge monitor for use on industrial roller doors
- ◆ embedded diode or resistor detection
- ◆ output relay max. 6A
- ◆ LED indicators for power supply, contact and function
- ◆ 22.5 or 45mm DIN rail mount housing
- ◆ TÜV-Nr. E/HG-99/101 approval for TCV-SK-S
- ◆ safety edge monitor, category 2 according to EN 954-1 for TCV-SK-S



Function



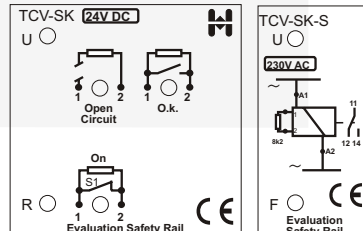
Control relay to monitor permanent safety rails

On the application of the supply voltage (and after detection of a diode (only TCV-SK) or a 8k2 resistor (TCV-SK and TCV-SK-S) connected to the input, the output relay energizes and the green LED (safety rail o.k.) is illuminated.

When the control relay detects an open circuit, the output relay drops out immediately and the yellow LED (open circuit) is illuminated.

When the control relay detects a short circuit, the relay drops out immediately and the red LED (failure) is illuminated.

When the output relay drops out a red LED flashes to indicate a circuit fault.



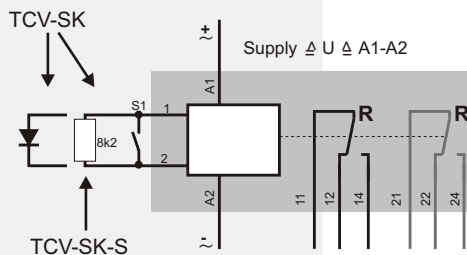
specification

supply voltage variation	nominal voltage +10% / -15%	
frequency range	48 - 63 Hz	
duty cycle	100%	
LED indicators	yellow	open circuit
	green	safety rail o.k.
	red	failure
output relay specification	max. 6A 230V~	
Ue/Ie AC-15	120V/4A	240V/3A
Ue/Ie DC-13	24V/2A	
	EN 60947-5-1 VDE 0435	
expected life time	DPCO	SPCO
	mechanical	2 x 10 ⁶
electrical	1 x 10 ⁵	1 x 10 ⁵
operating conditions	-20 to +60 °C non condensing	

ordering information

part no	supply	output	sup. galv. iso*	UL US	housing types
TCV-SK 230Vac	230V~ 2,5VA	DPCO	yes	yes	C
TCV-SK 115Vac	115V~ 2,5VA	DPCO	yes	yes	C
TCV-SK 24Vac	24V~ 2,5VA	DPCO	yes	yes	C
TCV-SK 24Vdc	24V= 2W	DPCO	no	yes	C
TCV-SK-S 230Vac	230V~ 2,5VA	SPCO	yes	no	B
TCV-SK-S 115Vac	115V~ 2,5VA	SPCO	yes	no	B
TCV-SK-S 24Vac	24V~ 2,5VA	SPCO	yes	no	B
TCV-SK-S 24Vdc	24V= 2W	SPCO	no	no	B

* The measurement input is galvanically isolated from the power supply



safety edge monitor

