

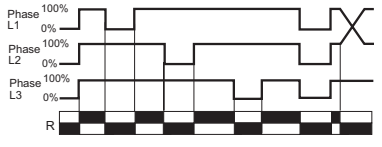
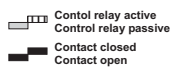
TCP-SF

overview

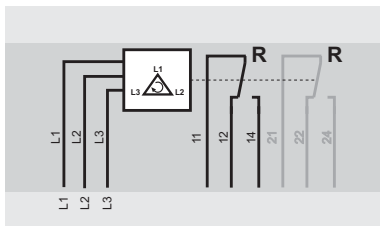
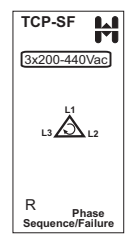


- ◆ detects phase failure and phase sequence
- ◆ SPCO output max. 8A
- ◆ measuring voltage without neutral
- ◆ does not detect phase failure with regenerated voltage present
- ◆ LED indicators for power supply, relay and reaction timer
- ◆ 22.5mm DIN rail mount housing

Function



Phase failure relay to monitor 3-wire, 3-phase systems for the failure of one or more phase and the correct phase rotation (L1, L2, L3)
 The TCP-SF detects if the phase sequence is correct and that no phase has failed. If this is the case, the output relay R energises and the yellow LED is illuminated.
 At a loss of one phase the output relay R de-energises.
 The relay energises again, when the failed phase/phases resume.
 The control relay will not detect a phase failure with a regenerated voltage present on the failed phase. (Suitable for lift/elevator applications where the car must continue to the next stop and then not restart)



specification

supply voltage variation	nominal voltage +/-10%	
frequency range	48 - 63 Hz	
duty cycle	100%	
reset time	< 25ms	
relay type	1	2
output relay spec.	230V~	8A
le AC-15	120V~	1,5A
le AC-15	240V~	1,5A
le DC-13	24V=	1A
expected life time	DPCO	SPCO
mechanical	30 x 10 ⁶ resp. 30 x 10 ⁷ operations	
screws	pozidrive 1	
screw tightening torque	0,6...0,8Nm	
operating conditions	-20 to +60 °C non condensing	
	* EN 60947-5-1 VDE 0435	

ordering information

part no	supply	output	relay type	certification	housing types
TCP-SF	3x 200-440V~	6VA SPCO	1	-	A
TCP-SF2	3x 200-440V~	6VA DPCO	2	-	B