



TCP-SF

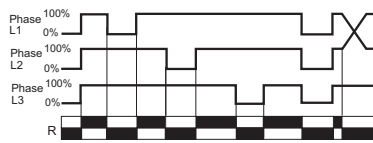
overview



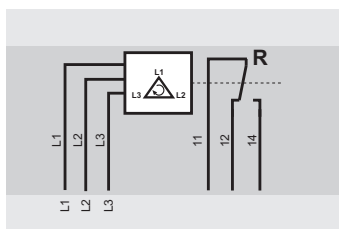
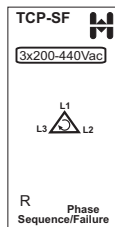
- ◆ detects phase failure and phase sequence
- ◆ measuring voltage without neutral
- ◆ does not detect phase failure with regenerated voltage present
- ◆ LED indicators for power supply, relay and reaction timer
- ◆ 22.5mm DIN rail mount housing

Function

- Control relay active
- Control relay passive
- Contact closed
- Contact open



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
output relay spec.	EN 60947-5-1
le AC-15 120V~	2,5A
le AC-15 240V~	2,5A
le DC-13 24V=	2,5A
expected life time	SPCO
mechanical	1x 10 ⁷ operations
electrical	15x 10 ⁴ operations
I _{the} 10A @ +20°C, detached	
screws	Pozidriv 1, Slot 4mm
screw tightening torque	0,4 Nm
operating conditions	-20 to +60°C non condensing

ordering information

part no	supply	output
TCP-SF	3x 200-440V~	2W SPCO

Gehäusetype

