

70.31 3 PHASE AC LINE MONITORING RELAY

1 OUTLINE DRAWING

2 WIRING DIAGRAM

11-14 output Make contact
11-12 output Break contact

3 FRONT VIEW (detail)

3a Function selector

UV Undervoltage without memory
UVm Undervoltage with memory
OV Overvoltage without memory
OVm Overvoltage with memory
W Window Mode without memory
Wm Window Mode with memory

3b LED 1 (green)

3c LED 2 (yellow)

3d LED 3 (red)

3e Switch-off delay time (T on function diagrams) adjustable (0.5...60)s

3f Maximum voltage selector (380...480)V

3g Minimum voltage selector (300...400)V

4 FUNCTIONS

4a Undervoltage (UV and UVm functions)

4b Overvoltage (OV and OVm functions)

4c Window mode (overvoltage + undervoltage, W and Wm functions)

4d Phase loss and phase rotation

NOTE

Hysteresis (H on function diagrams): 10 V

Power-on activation time: 1s

Switch-on lock-out time: 1s

Positive safety logic - Make output contact opens if the relay detects an error

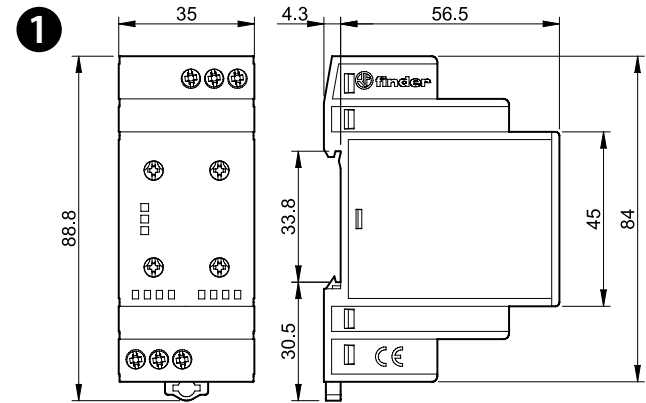
*RESET MEMORY

To reset, it is necessary to switch the supply OFF and then ON again (U OFF U ON) or to rotate the function selector first to an adjacent position and then to the original position.



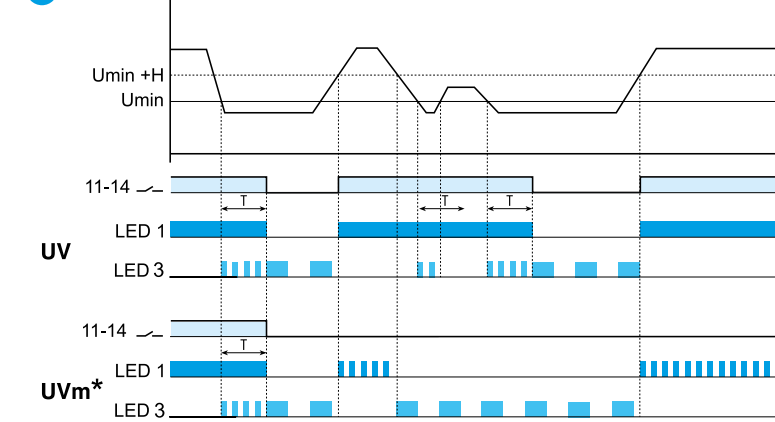
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	U_N (380...415) V AC (50/60 Hz) U_{min} 220 V AC U_{max} 510 V AC
	P 11 VA / 0.9 W
	1 CO (SPDT) 6 A 250 V AC
	AC1 1500 VA AC15 (230 V AC) 500 VA
	(M) (230 V AC) 0.185 kW
	DC1 (30/110/220) V (6/0.2/0.12) A
	(-20...+60)°C
IP20	

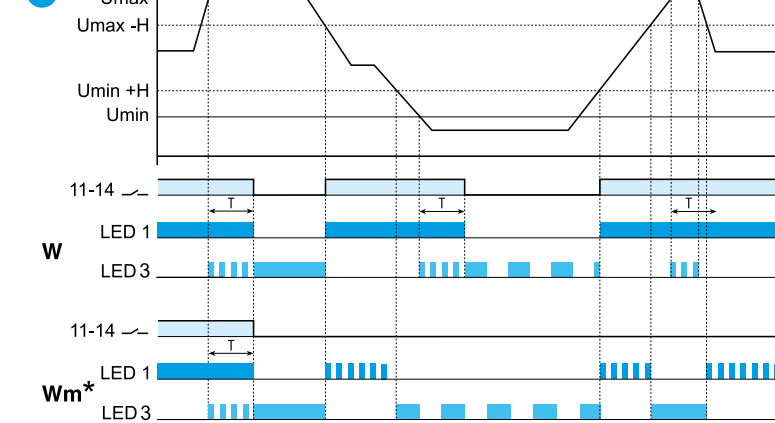


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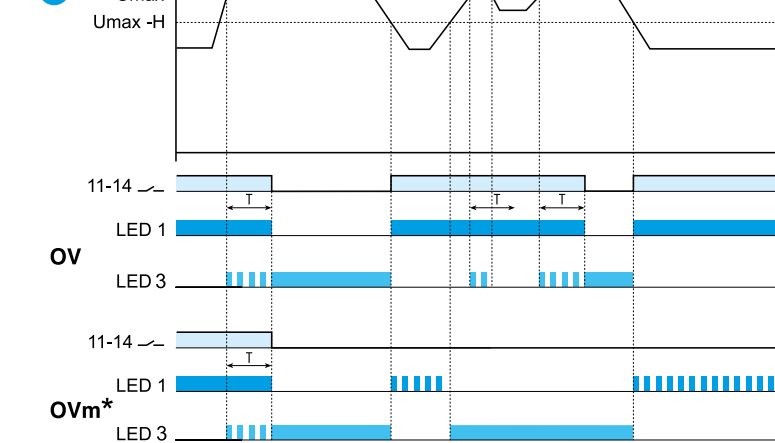
4a



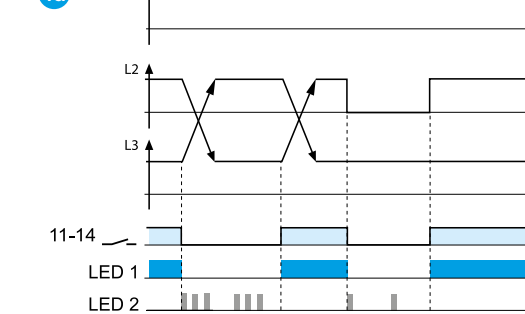
4c



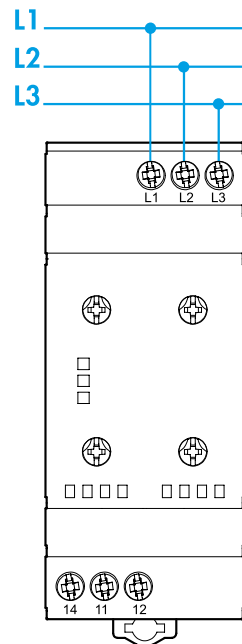
4b



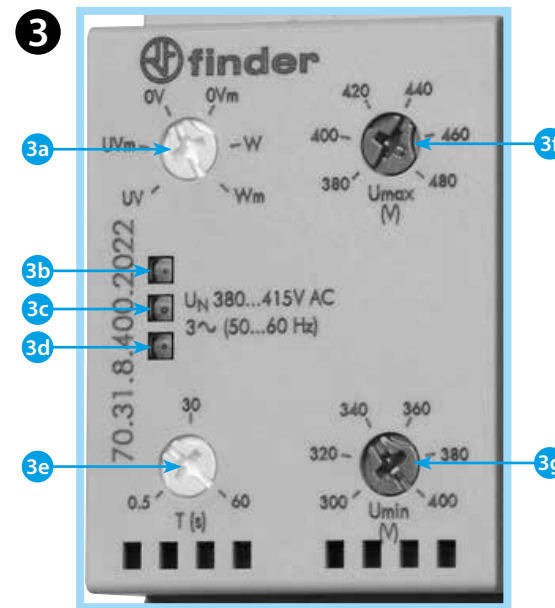
4d



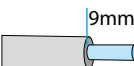
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3



0.8 Nm



9mm
(1x6/2x4) mm²
(1x10/2x12) AWG



9mm
(1x4/2x2.5) mm²
(1x12/2x14) AWG