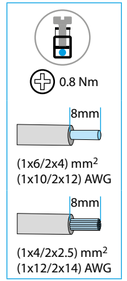
finder
SWITCH TO THE FUTURE

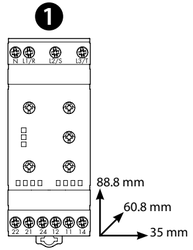


**70.42**

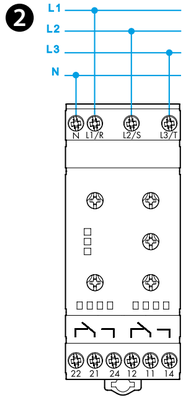
| | |
|---|---|
| | **70.42.8.400.2032** |
| | $U_N$ (380...415)V AC (50/60 Hz)<br>$U_{min}$ 220 V AC<br>$U_{max}$ 510 V AC |
| | P 12.5 VA / 1 W |
| | 2 CO (DPDT)<br>8 A 250 V AC |
| | AC1 2000 VA<br>AC15 (230 V AC) 400 VA<br>(M) (230 V AC) 0.3 kW<br>DC1 (24/110/220) V (8/0.3/0.12) A |
| | (–20...+60)°C |
| | IP20 |



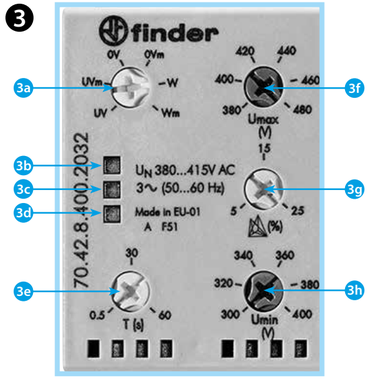

**1**




**2**



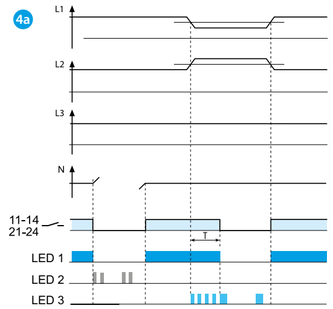

**3**



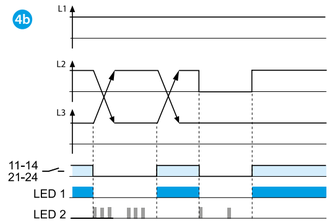



**4**

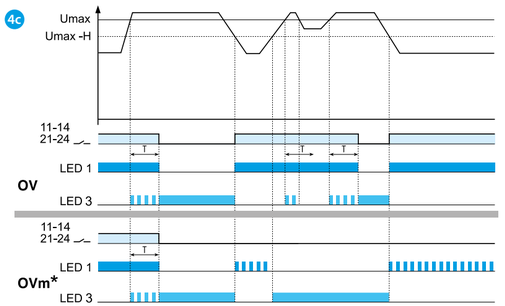
**4a**



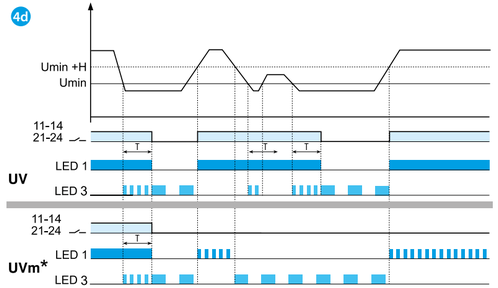

**4b**



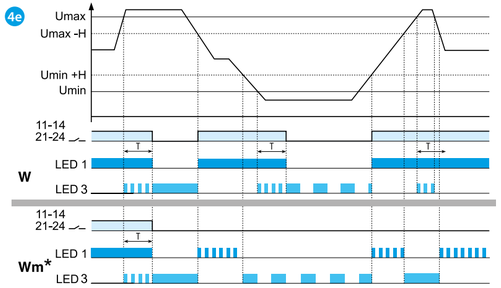

**4c**




**4d**




**4e**




# ENGLISH

70.42 - 3 PHASE AC LINE MONITORING RELAY

**1 OUTLINE DRAWING**

**2 WIRING DIAGRAM**
11–14 / 21–24: output make contact
11–12 / 21–22: output break contact

**3 FRONT VIEW (detail)**
3a Function selector
- **UV** Undervoltage without memory 4d
- **UVm** Undervoltage with memory 4d
- **OV** Overvoltage without memory 4c
- **OVm** Overvoltage with memory 4c
- **W** Window Mode without memory 4e
- **Wm** Window Mode with memory 4e

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 Asymmetry adjustable (5...25)% $U_N$
3h Minimum voltage selector (300...400)V

**4 FUNCTIONS**
4a Neutral loss and asymmetry
4b Phase loss and phase rotation
4c Overvoltage (OV and OVm functions)
4d Undervoltage (UV and UVm functions)
4e Window mode (overvoltage+undervoltage, W and Wm functions)

**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.

finder