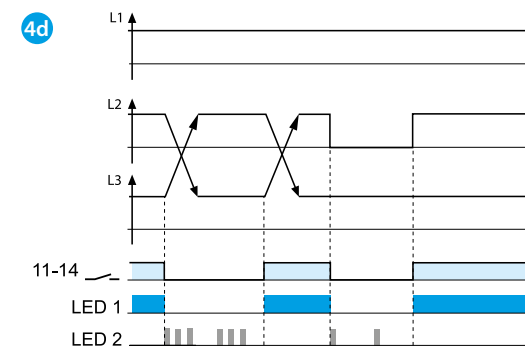
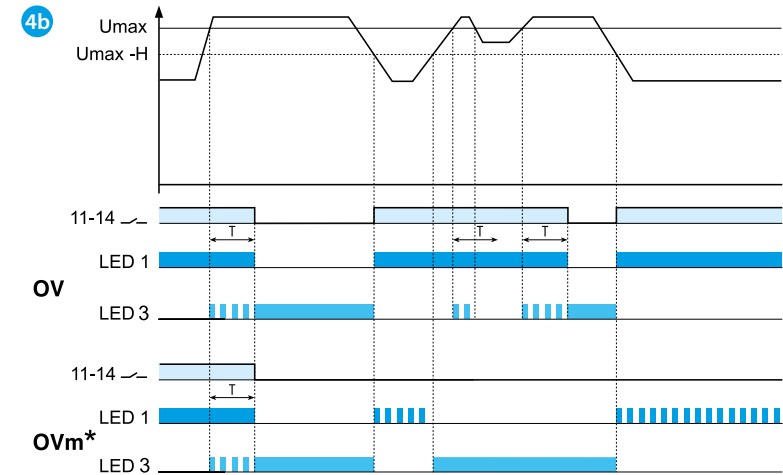
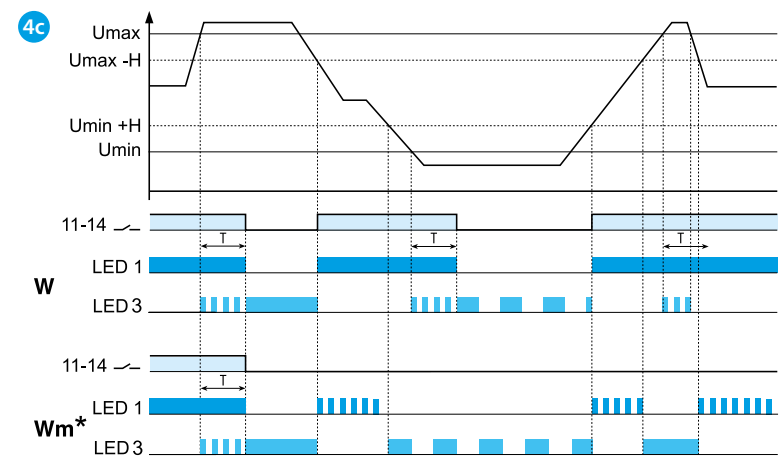
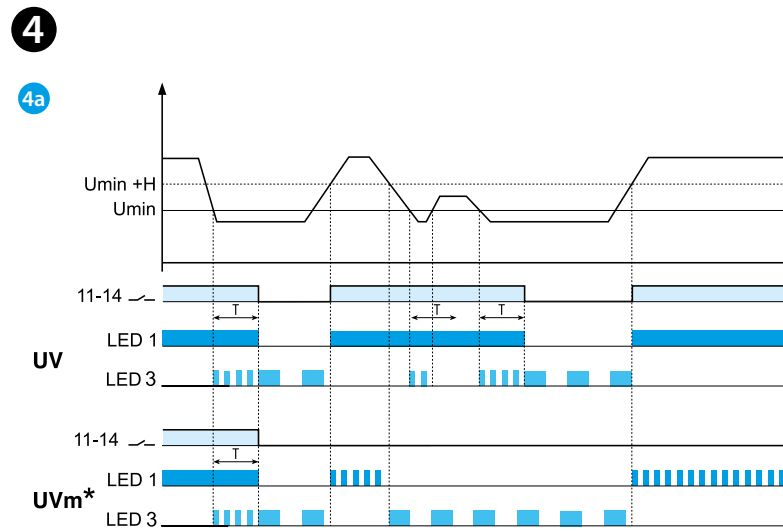
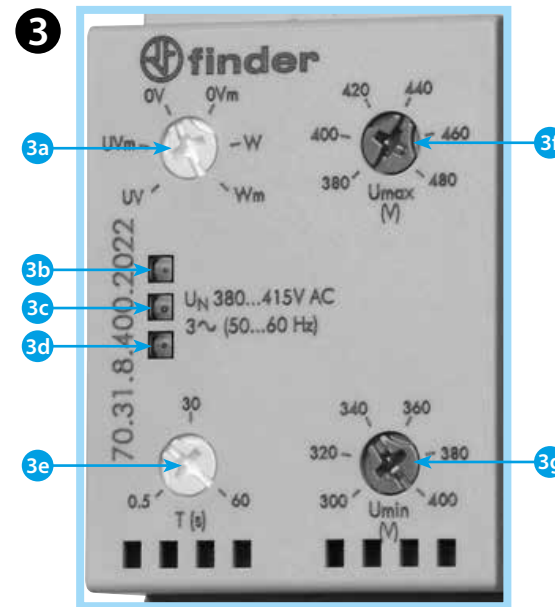
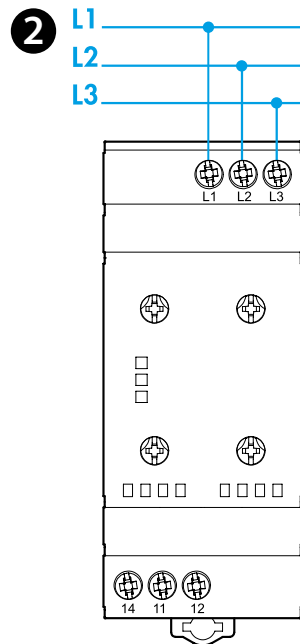
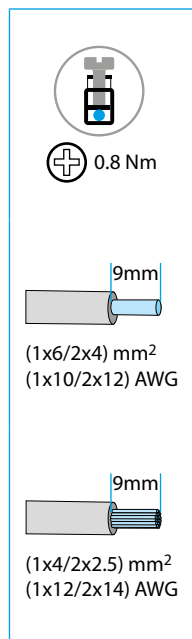
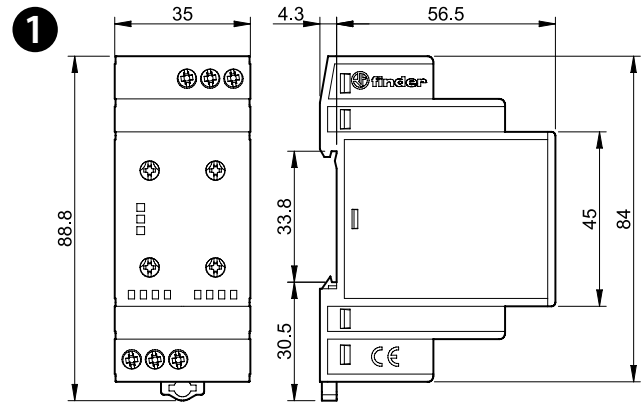




70.31

70.31.8.400.2022	
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	



ENGLISH

**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.