finder
RELAYING INNOVATION



72.42

GENERAL SAFETY AND INSTALLATION WARNINGS

1 Keep this document for future reference.

2 Installation, connection, and maintenance of the device must be performed exclusively by qualified technical personnel and in compliance with the electrical regulations in force in the country of installation.

3 Before performing any operation (installation, maintenance, or cleaning), always disconnect the power supply by switching off the main switch.

4 Do not expose to rain, humidity, or extreme heat.

5 Do not install the device near direct heat sources or airflow (e.g., air conditioners, radiators) to prevent malfunctions.

6 Install the device at a suitable distance from sources of strong electromagnetic fields (such as industrial motors, transformers, inverters, or antennas) that could cause unintended activation or malfunctions.

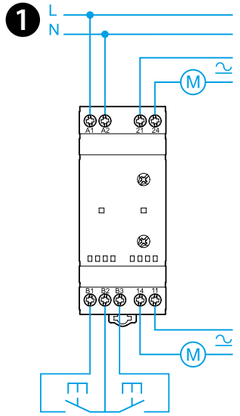
7 Keep power supply and load cables separated from high-frequency signal transmission cables or data networks.

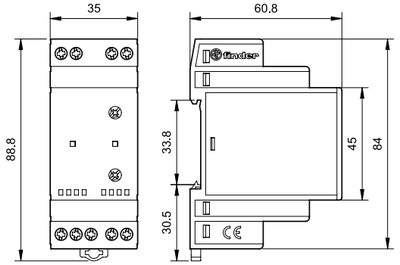
8 Do not tamper with or modify the device enclosure; structural alterations may compromise electromagnetic shielding and void compliance with EMC directives.

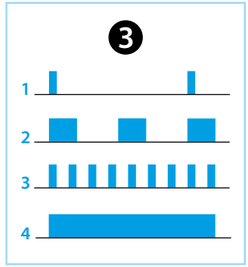
FURTHER INFORMATION

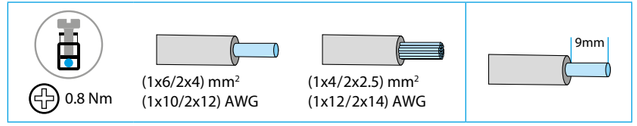
IB7242001-11/26 Finder S.p.A. con unico socio
via Drubiaglio 14-10040-Almese (TO) -Italy- findernet.com

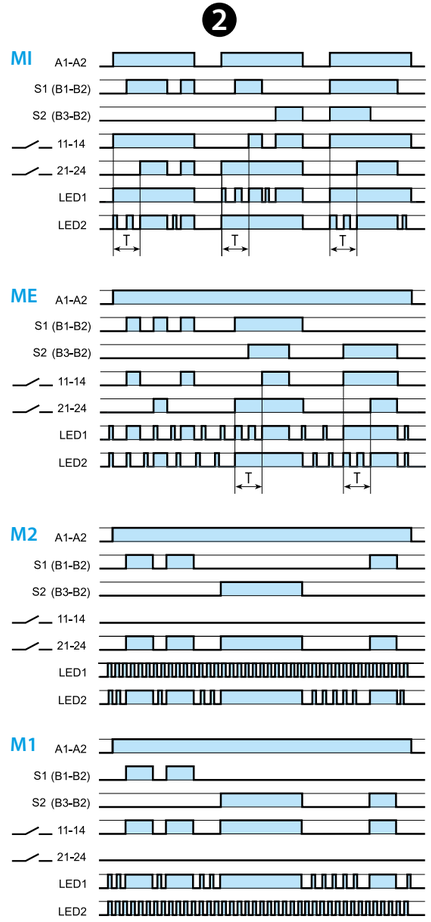
	72.42.0.024.0000 U_N 24 V AC (50/60 Hz) / DC U_{min}-U_{max} (16.8-28.8) V AC U_{min}-U_{max} (16.8-32) V DC **72.42.0.230.0000** U_N (110...240) V AC (50/60 Hz) / DC U_{min}-U_{max} (90-264) V AC / DC
	2 NO (2 SPST–NO) 12 A 250 V AC
	AC1 3000 VA AC15 1000 VA Ⓜ (230 V AC) 0.55 kW DC1 (24/110/220)V (12/0.3/0.12)A
	(–20…+50)°C
IP20	











ENGLISH

72.42 PRIORITY CHANGE RELAY

1 WIRING DIAGRAM

2 FUNCTIONS

MI Outputs alternate on successive applications of supply voltage
Application of the supply voltage to A1-A2 forces just one output contact to close, but the contact that closes will alternate between 11-14 and 21-24 on each successive application of the supply – ensuring even wear across both motors.
The other output contact can be forced closed by the closure of either S1 or S2 - but to limit high current surges the other motor cannot start within T seconds of the first motor.

ME Outputs alternate according to control signal
The supply voltage is permanently applied to A1-A2.
When closed, S1 forces just one output contact to close.
The contact that closes will alternate between 11-14 and 21-24 on each successive S1 closure - ensuring even wear across both motors.
If closed, S2 forces both output contacts to close (irrespective of S1).
However, to limit high current surges, both motors cannot start within T seconds of each other.

M2 Output 2 (21-24) only
Supply permanently applied to A1-A2.
Closure of either S1 or S2 will close output contact 2 (21-24).
Use when load 1 (11-14) is out of service.

M1 Output 1 (11-14) only
Supply permanently applied to A1-A2.
Closure of either S1 or S2 will close output contact 1 (11-14).
Use when load 2 (21-24) is out of service.

3 LED

1 72.42 device in stand-by, output not activated
2 output not activated, timing in progress
3 output not activated (only functions M1/M2)
4 output activated

OTHER DATA

Current absorption on (B1-B2) and (B3-B2): 1mA, 5V
Output delay time (T on function diagrams): (0.2...20)s.

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