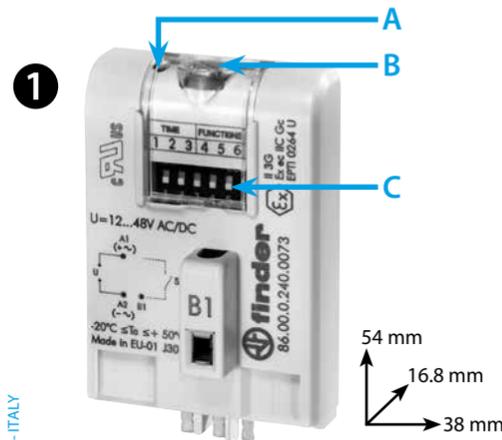


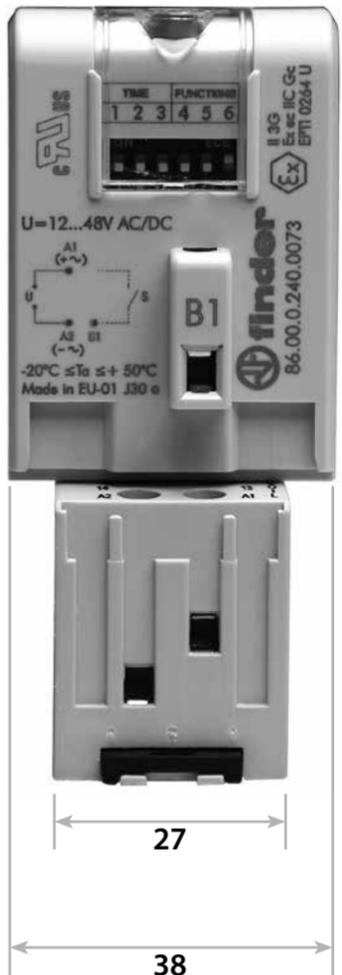
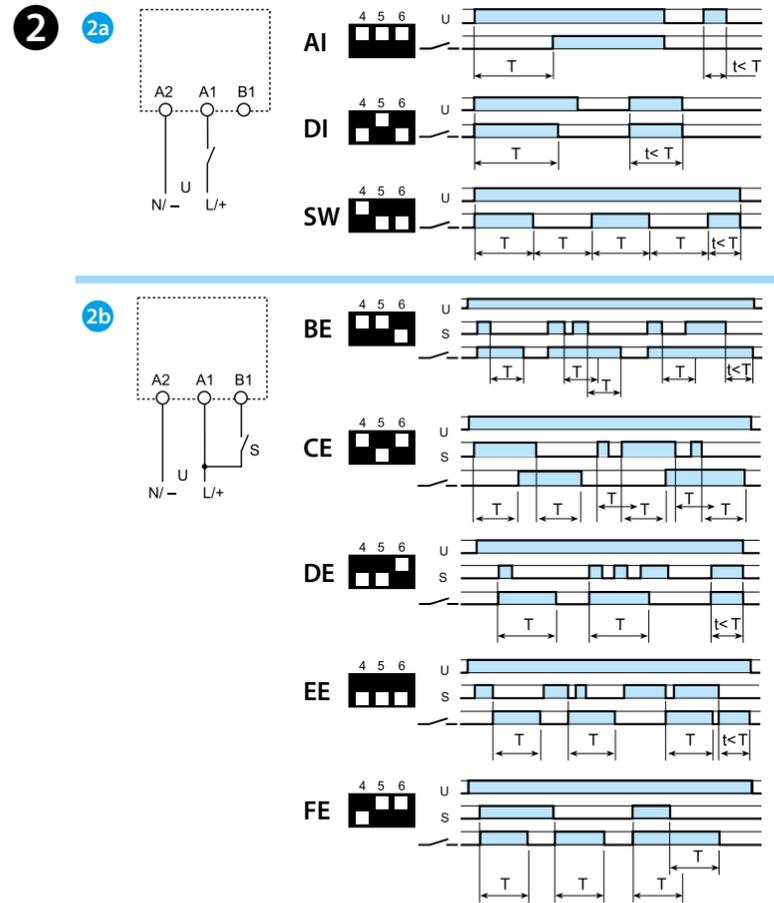
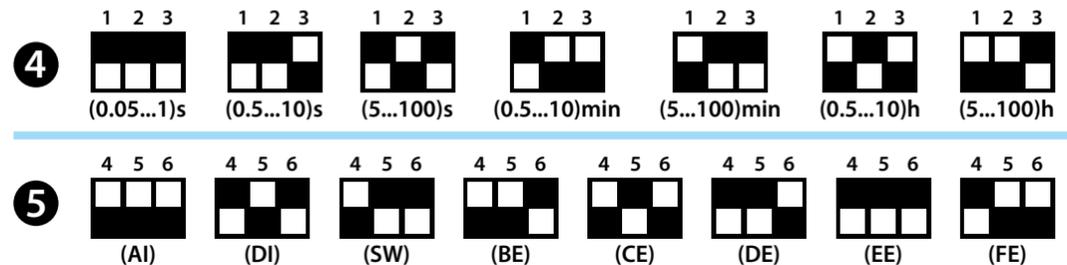


86.00 ATEX

86.00.0.240.0073	
	U _N (12...48)V AC (50/60 Hz) / DC U _{min} 10.2 V AC/DC U _{max} 60 V AC/DC P 1.2 W
	(-20...+50)°C
IP20	



54 mm
16.8 mm
38 mm



ENGLISH

**86.00.0.240.0073
MULTI-FUNCTION AND MULTI-VOLTAGE TIMER MODULE**

- 1 FRONT VIEW**
A LED
B Trimmer for delay adjustment
C Dip Switch: time and functions scale selection

- 2 WIRING DIAGRAMS AND FUNCTIONS**
2a Wiring diagram without external START
AI On-delay
DI Interval
SW Symmetrical flasher
2b Wiring diagram with external START
BE Off delay with control signal
CE On and off-delay with control signal
DE Interval with control signal On
EE Interval with control signal Off
FE Interval with control signal On and Off

- 3 INSTALLATION (example)**
1 Timer module
2 Relay
3 Socket (SMA)

1	2	3
86.00.0.240.0073	55.32.V.xxx.W0H3	94.02.7
86.00.0.240.0073	55.32.V.xxx.W0H3	94.04.7
86.00.0.240.0073	55.33.V.xxx.W0H3	94.03.7
86.00.0.240.0073	55.34.V.xxx.W0H3	94.04.7

V = 8, 9 W = 0, 2, 5 H = 0, 2
xxx = 012, 024, 048

- 4** DIP "TIME"
5 DIP "FUNCTIONS"

SAFETY INSTRUCTIONS

- 6 GENERAL SAFETY INFORMATION**
 These safety instructions refer to installation, use and maintenance of the 86.00 timer, which can be used in potentially explosive areas due to the presence of Zone 2 GAS.
 The information shown is for use by qualified personnel.
 The timers comply with the applicable Health and Safety Essential Requirements for ATEX components, for the potentially explosive areas reported in the European regulations:
 EN 60079-0 (2012 + A11: 2013), EN 60079-7 (2015).

- 7 TRANSPORTATION, STORAGE**
 Upon receipt of the delivery, make sure that there is no transport damage. If there is then raise the matter with the forwarder and refrain from installing the timer module.

- 8 INSTALLATION**
 The installation must comply with the rules listed in the EN60079-14 standard or with the national regulations (current edition).
 Before starting the installation in an explosive atmosphere, the installer must make sure that the relay is suitable for use in the classified area taking into account the different flammable substances present (**check the marking on the relay before installing it**).
 The relay and timer must be installed only by qualified personnel with knowledge regarding the installation of electrical equipment for explosive atmospheres and installation is only allowed if both the relay and the machine are not electrically powered.

9 MARKING

	Marking for explosion protection
II	Component for surface installations (other than mines)
3	Category 3: normal protection level
GAS	G Explosive atmosphere due to the presence of flammable gases or vapors
	Ex ec Increased security
	IIC Gas Group
Gc	Equipment Protection Level
-20°C ≤ Ta ≤ +50°C Ambient temperature range	
EPTI 17 ATEX 0264 U EPTI: identification of the notified body issuing the certificate of type 17: year of certificate issue 0264: type certificate number	
U: Ex component	

- 10 SPECIAL CONDITIONS**
 The maximum temperature recorded on the surface of the component did not exceed 88°C under the following test conditions:
 5 relay 55.34 pack, Contacts 7 A, Coil V 24 V DC, Tamb 50°C, Wiring 1.5 mm²
 (And did not exceed 113°C under the following test conditions: 5 relay 55.34 pack, Contacts 7 A, Coil V 230 V AC, Tamb 52°C, Wiring 1.5 mm²)
 The component must be placed inside a case that respects the general requirements for the housings shown in paragraph 4.10 of the standard EN 60079-7 and which guarantees a level of pollution 2 according to the standard IEC 60664-1. The component must be protected against transients. The connections must be made in compliance with the requirements contained in paragraph 4.2.2 of the EN 60079-7 standard.

MAINTENANCE AND REPAIRS

 No intervention of the device by the user is allowed.

Utility Model - IB8600VXX - 01/19 - FINDER S.p.A. - 10040 ALMESE (TO) - ITALY