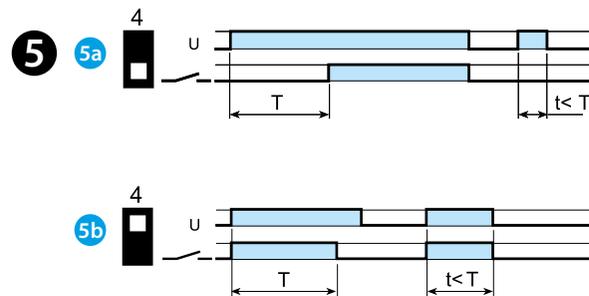
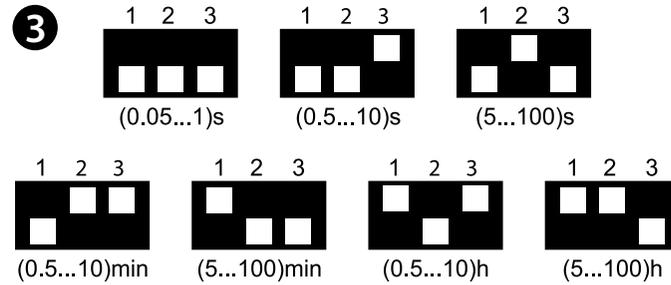
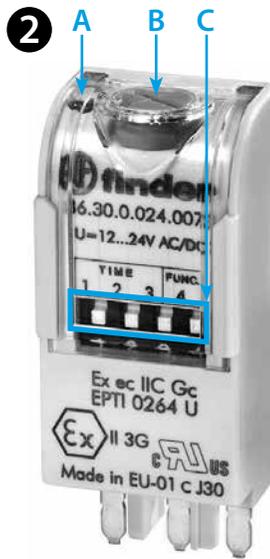
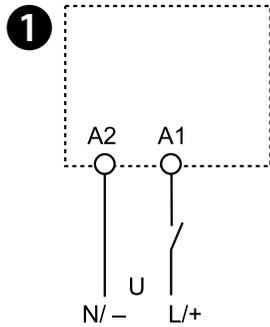




86.30 ATEX

	86.30.0.024.0073 12...24VAC (50/60Hz)/DC U_{min} 9.6VAC/DC U_{max} 33.6VAC/DC
	(-20...+50)°C
IP20	



ENGLISH

86.30 BI-FUNCTION AND MULTI-VOLTAGE MODULAR TIMER

1 WIRING DIAGRAM (relay+socket+timer)

- 2** A LED
- B Delay setting
- C DIP switch: functions and time scales

3 TIME SCALES (DIP "TIME")

3 INSTALLATION (example)

- 1 Timer module
- 2 Relay
- 3 Socket (SMA)

	1	2	3
	86.30.0.024.0073	55.32.V.xxx.W0H3	94.02.7
	86.30.0.024.0073	55.32.V.xxx.W0H3	94.04.7
	86.30.0.024.0073	55.33.V.xxx.W0H3	94.03.7
	86.30.0.024.0073	55.34.V.xxx.W0H3	94.04.7

$$V = 8, 9 - W = 0, 2, 5 - H = 0, 2$$

$$xxx = 012, 024$$

4 MAINTENANCE AND REPAIRS



No maintenance or repair by the user is allowed.

5 FUNCTIONS (DIP "FUNC")

(U = Supply = NO contact)

- 5a A1 - Delay on
- 5b DI - Interval

NOTE

Time and function settings must be made before powering the timer.
 When setting very short times, it may be necessary to take into account the operate/release time of the relay used.
 Reset time: ≤ 50 ms

SAFETY INSTRUCTIONS

6 GENERAL SAFETY INFORMATION



These safety instructions refer to the installation, utilization and maintenance of 86.30 series timers when used in potentially explosive areas due to the presence of combustible GAS zone 2. The information of these instructions are only for qualified personnel. The timers comply with the Essential Health and Safety Requirements for potentially explosive atmospheres provided by European Standards: EN 60079-0 (2012 + A11:2013), EN 60079-7 (2015).

7 TRANSPORT, STORAGE



On receipt verify that the relay has not been damaged during transport. If damaged, do not install and immediately advise the transport service.

8 INSTALLATION



Installation must comply with the rules of the standard EN 60079-14 or with the current national standards. Before the installation in an explosive atmosphere, the installer must ensure that the relay is suitable for the classified area in consideration of the different inflammable substances present in the installation area (**please verify the marking on the relay cover before installation**). The relay must be installed only by qualified people with knowledge of electrical apparatus for explosive gas atmospheres and electrical installations in hazardous areas and has to be done with the relay and equipment at standstill, electrically dead and locked against restart.

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 gas, vapors or flammable mists
	Ex ec Increased security
	IIC Gas Group
	Gc Equipment Protection Level
$-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$ Ambient temperature range	
EPTI 17 ATEX 0264 U EPTI: identification of the notified body issuing the type certificate 17: year of issue of the certificate 0264: type certificate number	
U: Ex component	

10 SPECIAL CONDITIONS



The maximum temperature recorded on the surface of the component does not exceed 111°C obtained under the following test conditions: 5 relays 55.34 pack - Contacts 7 A - V coil = 26.4 V - $T_{amb} = 50^{\circ}\text{C}$, wiring = 1.5 mm². The component must be placed inside a case that respects the general requirements for enclosures listed in paragraph 4.10 of the EN 60079-7 standard and which guarantees a level of pollution 2 according to the IEC 60664-1 standard. The component must be protected against electrical high voltage transients. The connections must be made in compliance with the requirements contained in paragraph 4.2.2 of the EN 60079-7 standard.