finder
RELAYING INNOVATION



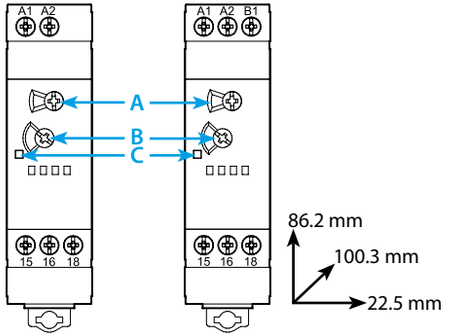
**83.11**
**83.21**

**83.41**

| 83.11.0.240.0000<br>83.21.0.240.0000<br>83.41.0.240.0000 | |
|---|---|
| | (24...240)V AC (50/60 Hz) / DC<br>$U_{min}$ 16.8 V AC / DC<br>$U_{max}$ 265 V AC / DC<br>$P_{(AC/DC)}$ < 1.5 VA / < 2 W |
| | 1 CO (SPDT)<br>16 A 250 V AC |
| | AC1 4000 VA<br>AC15 (230 V AC) 750 VA<br>Ⓜ (230 V AC) 0.5 kW<br>DC1 (24/110/220) V (16/0.3/0.12) A |
| | (–20...+60)°C |
| IP20 | |

| LED | $U_N$ | 15 - 18 | 15 - 16 |
|---|---|---|---|
| | – | 15 - 18 | 15 - 16 |
| | √ | 15 - 18 | 15 - 16 |
| | √ | ⏲ | 15 - 16 |
| | √ | 15 - 16 | 15 - 18 |

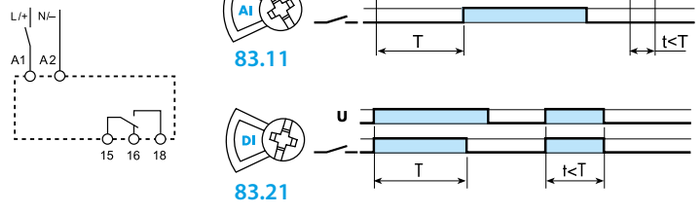
**1** 83.11 83.21 83.41



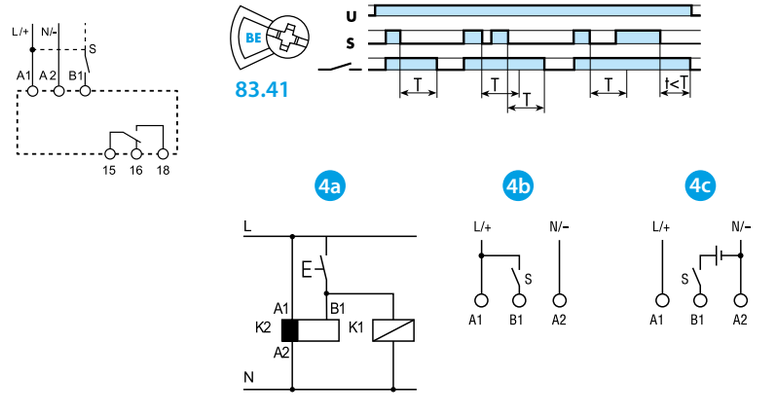

**2**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| A | 1s | 10s | 1m | 10m | 1h | 10h | 1d | 10d |
| B | 0.05...1s | 0.5...10s | 0.05...1min | 0.5...10min | 0.05...1h | 0.5...10h | 0.05...1d | 0.5...10d |

**3**




**4**




Utility Model - IB8311001 - 06/25
Finder S.p.A. con unico socio - 10040 ALMESE (TO) - ITALY

# ENGLISH

## 83.11 - 83.21 - 83.41
## MODULAR TIMER, MONO-FUNCTION

**1 FRONT VIEW**
- A Time scale rotary selector (Tmax)
- B Time setting (Tmin...Tmax)
- C LED

**2 TIME SCALES**
(Eg. T=10 min: set **A**=10 m and **B**=T max)

**3 WIRING DIAGRAM AND FUNCTIONS (83.11-83.21)**

3a **Start via contact in supply line (A1)**
- **83.11 AI** On-delay
- **83.21 DI** Interval

**4 WIRING DIAGRAM AND FUNCTION (83.41)**

**Start via contact into control terminal (B1)**
- **BE** Off-delay with control signal

4a Possible to control an external load, such as another relay coil or timer, connected to the signal start terminal B1

4b With DC supply, positive polarity has to be connected to B1 terminal (according to EN 60204-1)

4c A voltage other than the supply voltage can be applied to the command Start (B1), example:
A1-A2 = 230 V AC
B1-A2 = 24 V DC

**OTHER DATA**
Minimum control impulse: 50 ms (83.41)
Recovery time: 200 ms
35 mm rail mount (EN 60715)

**WORKING CONDITIONS**
In conformity with the European Directive on EMC 2014/30/EU, the timer relay has a level of immunity, against radiated and conducted disturbances, considerably higher than requirements of EN 61812-1 standard.
However, devices like transformers, motors, contactors, switches and power cables may cause disturbances and even damage the timer electronic circuit.
For that reason, the wiring cables must be as short as possible, and, when necessary, the timer shall be protected by the relevant RC network, varistor or surge voltage protector.

finder