- M ono or multi-function timers
- O ne module ( 17.5 mm ) wide
- Five functions
- Six time scales, from 0.05 s to 10 h
- 35 mm rail (EN 50022) mount

82.01

- M ulti-function
- M ulti-voltage
-35 mm rail mounting

Al: 0 N delay DI: ON pulse
SW: Symmetrical recycler ON start


N/-
82.0182 .11

## Contact specifications

Contact configuration
Rated current/ M aximum peak current A
Rated voltage/ M aximum switching voltage V AC
Rated load in AC1
Rated load in AC15 (230 VAC)
Single phase motor rating (230 VAC)
Breaking capacity in DC1: $\quad 30 / 110 / 220 \mathrm{VA}$
M inimum switching load $\mathrm{mW}(\mathrm{V} / \mathrm{mA})$
Standard contact material
Supply specifications

| Nominal voltage | $\mathrm{VAC}(50 / 60 \mathrm{~Hz})$ |
| :--- | ---: |
|  | V DC |
| Rated power AC/DC | $\mathrm{VA}(50 \mathrm{~Hz}) / \mathrm{W}$ |
| O perating range | AC |
|  | DC |

Specified time range

| Repeatability | 0 |
| :--- | ---: |
| Recovery time | m |
| M inimum control impulse | m |
| Setting accuracy-full range | $\%$ |
| Electrical life at rated load in AC1 | cycle |
| Ambient temperature range | ${ }^{\circ} \mathrm{C}$ |

Protection category

Approvals: (according to type)


- M ono or multi-function timers
- O ne module ( 17.5 mm ) wide
- Five functions
- Six time scales, from 0.05 s to 10 h
- 35 mm rail (EN 50022) mount



## Contact specifications

Contact configuration

| Rated current/ M aximum peak current A |
| :--- |
| Rated voltage/ Maximum switching voltage V AC |

Rated load in AC1

| Rated load in AC15 (230 VAC) | VA |
| :--- | :---: |
| Single phase motor rating (230 VAC) | kW |


| Breaking capacity in DC1: | $30 / 110 / 220 \mathrm{~V} \mathrm{~A}$ |
| :--- | ---: |
| M inimum switching load | $\mathrm{mW}(\mathrm{V} / \mathrm{mA})$ |


| Standard contact material |
| :--- | :--- |
| Supply specifications |

Supply specifications

| Nominal voltage | V AC $(50 / 60 \mathrm{~Hz})$ |
| :--- | ---: |
|  | VDC |
| Rated power AC/DC | VA $(50 \mathrm{~Hz}) / \mathrm{W}$ |
| O perating range | AC |
|  | DC |

Technical data
Specified time range

| Repeatability | $\%$ |
| :--- | ---: |
| Recovery time | ms |
| M inimum control impulse | ms |
| Setting accuracy-full range | $\%$ |
| Electrical life at rated load in AC1 | cycles |
| Ambient temperature range | ${ }^{\circ} \mathrm{C}$ |

$\quad{ }^{\circ} \mathrm{C}$

Approvals: (according to type)
82.21

wiring diagram (without signal START)
82.31

wiring diagram (without signal STA RT)

- M ono or multi-function timers
- O ne module (17.5 mm) wide
- Five functions
- Six time scales, from 0.05 s to 10 h
- 35 mm rail (EN 50022) mount


Contact specifications
Contact configuration
Rated current/ M aximum peak current A
Rated voltage/ Maximum switching voltage V AC
Rated load in AC1
Rated load in AC15 (230 VAC)
Single phase motor rating (230 VAC)
Breaking capacity in DC1: $30 / 110 / 220 \mathrm{~V} \mathrm{~A}$
Minimum switching load $\mathrm{mW}(\mathrm{V} / \mathrm{mA})$
Standard contact material
Supply specifications

| Nominal voltage | VAC $(50 / 60 \mathrm{~Hz})$ |
| :--- | ---: |
|  | V DC |
| Rated power AC/DC | VA $(50 \mathrm{~Hz}) / \mathrm{W}$ |
| O perating range | AC |
|  | DC |

Technical data
Specified time range


ORDERING INFORMATION

Example: a 82 series, multi-function modular timer, 24 to 48 VDC and 24 to $240 \mathrm{VAC}(50 / 60) \mathrm{Hz}$ supply voltage.


8 = Star - delta (SD)

## TECHNICAL DATA

## EMC SPECIFICATIONS

| TYPE OF TEST | REFERENCE STANDARD |  |
| :---: | :---: | :---: |
| ELEC TRO STATIC DISCHARGE | EN 61000-4-2 | 8 kV |
|  | EN 61000-4-2 | 8 kV |
| RA DIO -FREQ UEN CY ELEC TRO M A N ETIC FIELD $(80 \div 1000 \mathrm{M} \mathrm{Hz})$ | EN 61000-4-3 | 10V/m |
| FAST TRAN SIEN TS (burst) ( $5-50 \mathrm{~ns}, 5 \mathrm{kHz}$ ) on Supply terminals | EN 61000-4-4 | 6 kV |
| SURG ES ( $1.2 / 50 \mu \mathrm{~s}$ ) on Supply terminals | EN 61000-4-5 | 4 kV |
|  | EN 61000-4-5 | - |
| RADIO -FREQ UENCY COMMON MODE ( $0.15 \div 80 \mathrm{MHz}$ ) on Supply terminals | EN 61000-4-6 | 10 V |
| RADIATED AND CON DUCTED EM ISSIO N | EN 55022 | class B |

OTHER DATA

| CURREN T ABSO RPTIO N on signal control (B1) | 1 mA |  |
| :---: | :---: | :---: |
| PO W ER LO ST TO THE EN VIRO N M EN T |  |  |
| - without contact current W | 5 |  |
| - with rated current W | 6 |  |
| MAX W IRE SIZE | solid cable | stranded cable |
| $\mathrm{mm}^{2}$ | $1 \times 4 / 2 \times 2.5$ | 1x4 / $2 \times 1.5$ |
| AW G | 1×12 / $2 \times 14$ | 1×12 / $2 \times 16$ |
| (7) SCR SEW TO RQUE Nm | 1 |  |

## TIME SCALES



NOTE: time scales and functions must be set before energising the timer.

## FUNCTIONS

|  | LED | Relay type |  | NO output contact | Contacts |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 0 pen | Closed |
| $\mathbf{U}=$ Supply Voltage <br> $\mathbf{S}=$ Signal switch <br> C $=0$ utput contact |  | $\begin{aligned} & 82.01 \\ & 82.11 \\ & 82.21 \\ & 82.31 \\ & 82.41 \end{aligned}$ | ON | 0 pen | 15-18 | 15-16 |
|  |  |  | ON | Closed | 15-16 | 15-18 |
|  |  | 82.82 | ON | Closed ( $\lambda$ ) | 17-28 | 17-18 |
|  |  |  | ON | Closed ( $\Delta$ ) | 17-18 | 17-28 |

W ithout signal Start= Start via contact in supply line (A1).
W ith signal Start = Start via contact into control terminal (B1).
Wulting diagram
mithout signal START

Mono-function
without signal STA RT

82.82



[^0]
[^0]:    * A voltage other than the supply voltage can be applied to the command START (B1).

    Example: $\mathrm{A} 1-\mathrm{A} 2=230 \mathrm{VAC} / \mathrm{B} 1-\mathrm{A} 2=24 \mathrm{VAC}$

