

Ordering information
Example: 81 series, multi function timer, 1 CO $16 \mathrm{~A}-250 \mathrm{~V} \mathrm{AC}$, supply rated at ( $12 \ldots 230$ ) V AC/DC.


## Technical data

| EMC specifications |  |  |  |
| :---: | :---: | :---: | :---: |
| Type of test |  | Reference standard |  |
| Electrostatic discharge | contact discharge | EN 61000-4-2 | 4 kV |
|  | air discharge | EN 61000-4-2 | 8 kV |
| Radio-frequency electromagnetic field ( $80 \div 1000 \mathrm{MHz}$ ) |  | EN 61000-4-3 | $10 \mathrm{~V} / \mathrm{m}$ |
| Fast transients (burst) ( $5-50 \mathrm{~ns}, 5 \mathrm{kHz}$ ) on Supply terminals |  | EN 61000-4-4 | 4 kV |
| Surges (1.2/50 $\mu \mathrm{s}$ ) on Supply terminals | common mode | EN 61000-4-5 | 4 kV |
|  | differential mode | EN 61000-4-5 | 4 kV |
| Radio-frequency common mode ( $0.15 \div 80 \mathrm{MHz}$ ) on Supply terminals |  | EN 61000-4-6 | 10 V |
| Radiated and conducted emission |  | EN 55022 | class A |
| Other data |  |  |  |
| Current absorption on signal control (B1) |  | $<1 \mathrm{~mA}$ (S-X) | $<1 \mathrm{~mA}(\mathrm{R}-\mathrm{X})$ |
| Voltage potential on the input terminal R-X and S-X |  | Not galvanic separation from the supply voltage on A1-A2 |  |
| Power lost to the environment | without contact current W | 1.3 |  |
|  | with rated current W | 3.2 |  |
| (간) Screw torque | Nm | 0.8 |  |
| Max. wire size |  | solid cable | stranded cable |
|  | $\mathrm{mm}^{2}$ | $1 \times 6 / 2 \times 4$ | $1 \times 4 / 2 \times 2.5$ |
|  | AWG | $1 \times 10 / 2 \times 12$ | $1 \times 12 / 2 \times 14$ |


| Time range |  | (0.1...1)s |  | (1...10)s |  | (10...60)s |  | (1...10)min |  | (10...60)min |  | (1...10)h |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| setting | 1 |  | 1 |  | 1 |  | 1 |  | 1 |  | 1 |  |
|  | 2 |  | 2 |  | 2 |  | 2 |  | 2 |  | 2 |  |
|  | 3 |  | 3 |  | 3 |  | 3 |  | 3 |  | 3 |  |
|  | 4 |  | 4 |  | 4 |  | 4 |  | 4 |  | 4 |  |
|  | 5 |  | 5 |  | 5 |  | 5 |  | 5 |  | 5 |  |
|  | 6 |  | 6 |  | 6 |  | 6 |  | 6 |  | 6 |  |

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## Functions

| $\begin{array}{ll} \mathbf{U} & =\text { Supply voltage } \\ \mathbf{S} & =\text { Signal switch } \\ \mathbf{R} & =\text { Reset } \\ \mathbf{-} & =\text { Output contact } \end{array}$ | $\begin{aligned} & \text { LED } \\ & \text { (green) } \end{aligned}$ | $\begin{aligned} & \text { LED } \\ & \text { (red) } \end{aligned}$ | Supply voltage | NO output contact | Contacts |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Open | Closed |
|  | $\square$ | $\square$ | OFF | Open | 15-18 | 15-16 |
|  |  |  | ON | Open | 15-18 | 15-16 |
|  |  | L_ | ON | Closed | 15-16 | 15-18 |

Without control signal = Start via contact in supply line (A1).
With control signal $=$ Start via contact into control terminal (X-S).

Wiring diagram


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[^0]:    NOTE: time range and function must be set before energising the timer.

