



## Main

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|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product             | Zelio Control                                                                                                                                                                                                                                                   |
| Product or component type    | Modular measurement and control relays                                                                                                                                                                                                                          |
| Relay type                   | Voltage control relay                                                                                                                                                                                                                                           |
| Product specific application | For single-phase and DC supply                                                                                                                                                                                                                                  |
| Relay name                   | RM17UBE                                                                                                                                                                                                                                                         |
| Relay monitored parameters   | Overtoltage and undervoltage detection<br>Self-powered                                                                                                                                                                                                          |
| Time delay type              | Adjustable 0.1...10 s, 0 + 10 % on crossing the threshold                                                                                                                                                                                                       |
| Switching capacity in VA     | 1250 VA                                                                                                                                                                                                                                                         |
| Minimum switching current    | 10 mA at 5 V DC                                                                                                                                                                                                                                                 |
| Maximum switching current    | 5 A AC/DC                                                                                                                                                                                                                                                       |
| Power consumption in VA      | 0...3.9 VA AC                                                                                                                                                                                                                                                   |
| Measurement range            | 20...80 V voltage AC 50/60 Hz<br>20...80 V voltage DC                                                                                                                                                                                                           |
| Utilisation category         | AC-12 conforming to IEC 60947-5-1<br>AC-13 conforming to IEC 60947-5-1<br>AC-14 conforming to IEC 60947-5-1<br>AC-15 conforming to IEC 60947-5-1<br>DC-12 conforming to IEC 60947-5-1<br>DC-13 conforming to IEC 60947-5-1<br>DC-14 conforming to IEC 60947-5-1 |

## Complementary

|                               |                                                                                                                                                                                                                                                                 |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reset time                    | 1500 ms time delay                                                                                                                                                                                                                                              |
| Maximum switching voltage     | 250 V AC/DC                                                                                                                                                                                                                                                     |
| [Us] rated supply voltage     | 24...48 V AC/DC, 50/60 Hz +/- 10 %                                                                                                                                                                                                                              |
| Supply voltage limits         | 15...100 V AC/DC                                                                                                                                                                                                                                                |
| Power consumption in W        | <= 1.6 W DC                                                                                                                                                                                                                                                     |
| Immunity to microbreaks       | 20 ms                                                                                                                                                                                                                                                           |
| Control circuit frequency     | 50...60 Hz +/- 10 %                                                                                                                                                                                                                                             |
| Output contacts               | 1 C/O                                                                                                                                                                                                                                                           |
| Nominal output current        | 5 A                                                                                                                                                                                                                                                             |
| Measuring cycle               | <= 150 ms measurement cycle as true rms value                                                                                                                                                                                                                   |
| Hysteresis                    | 3 % fixed of threshold setting                                                                                                                                                                                                                                  |
| Run-up delay at power-up      |                                                                                                                                                                                                                                                                 |
| Measurement accuracy          | +/- 10 % of the full scale value                                                                                                                                                                                                                                |
| Repeat accuracy               | +/- 0.5 % input and measurement circuit<br>+/- 1 % time delay                                                                                                                                                                                                   |
| Measurement error             | < 1 % over the whole range with voltage variation<br>0.2 %/°C with temperature variation                                                                                                                                                                        |
| Polarity                      | Non reversible polarity on DC supply                                                                                                                                                                                                                            |
| Quality labels                | CE                                                                                                                                                                                                                                                              |
| Overtoltage category          | III conforming to IEC 60664-1                                                                                                                                                                                                                                   |
| Insulation resistance         | > 500 MOhm > 500 MOhm IEC 60255-5 conforming to IEC 60255-5 conforming to IEC 60255-5 IEC 60255-5 IEC 60255-5 IEC 60255-5 - 500 V at 500 V at 500 V DC DC DC DC DC conforming to IEC 60255-5, conforming to IEC 60255-5 conforming to IEC 60255-5 IEC 60255-5 c |
| [Ui] rated insulation voltage | 250 V conforming to IEC 60664-1<br>400 V conforming to IEC 60664-1                                                                                                                                                                                              |
| Operating position            | Any position without derating                                                                                                                                                                                                                                   |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connections - terminals | Screw terminals 1 x 0.5...1 x 4 mm <sup>2</sup> - AWG 20...AWG 11, solid cable without cable end<br>Screw terminals 2 x 0.5...2 x 2.5 mm <sup>2</sup> - AWG 20...AWG 14, solid cable without cable end<br>Screw terminals 2 x 0.2...2 x 1.5 mm <sup>2</sup> - AWG 24...AWG 16, flexible cable with cable end<br>Screw terminals 1 x 0.2...2 x 2.5 mm <sup>2</sup> - AWG 24...AWG 12, flexible cable with cable end |
| Tightening torque       | 5.31...8.85 lbf.in (0.6...1 N.m) conforming to IEC 60947-1                                                                                                                                                                                                                                                                                                                                                         |
| Housing material        | Self-extinguishing plastic                                                                                                                                                                                                                                                                                                                                                                                         |
| Local signalling        | LED green power ON<br>LED yellow relay ON                                                                                                                                                                                                                                                                                                                                                                          |
| Mounting support        | 35 mm symmetrical DIN rail conforming to EN/IEC 60715                                                                                                                                                                                                                                                                                                                                                              |
| Electrical durability   | 100000 cycles                                                                                                                                                                                                                                                                                                                                                                                                      |
| Mechanical durability   | 30000000 cycles                                                                                                                                                                                                                                                                                                                                                                                                    |
| Operating rate          | <= 360 operations/hour under full load                                                                                                                                                                                                                                                                                                                                                                             |
| Safety reliability data | MTTFd = 502.2 years<br>B10d = 470000                                                                                                                                                                                                                                                                                                                                                                               |
| Width                   | 0.69 in (17.5 mm)                                                                                                                                                                                                                                                                                                                                                                                                  |
| Product weight          | 0.18 lb(US) (0.08 kg)                                                                                                                                                                                                                                                                                                                                                                                              |

## Environment

|                                       |                                                                                                                                                                                                                                                                          |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| electromagnetic compatibility         | Emission standard for industrial environments conforming to EN/IEC 61000-6-4<br>Emission standard for residential, commercial and light-industrial environments conforming to EN/IEC 61000-6-3<br>Immunity for industrial environments conforming to NF EN/IEC 61000-6-2 |
| standards                             | EN/IEC 60255-6                                                                                                                                                                                                                                                           |
| product certifications                | CSA<br>C-Tick<br>GL<br>GOST<br>UL                                                                                                                                                                                                                                        |
| directives                            | 89/336/EEC - electromagnetic compatibility<br>73/23/EEC - low voltage directive                                                                                                                                                                                          |
| ambient air temperature for storage   | -40...158 °F (-40...70 °C)                                                                                                                                                                                                                                               |
| ambient air temperature for operation | -4...122 °F (-20...50 °C)                                                                                                                                                                                                                                                |
| relative humidity                     | 95 % at 131 °F (55 °C) conforming to IEC 60068-2-30                                                                                                                                                                                                                      |
| vibration resistance                  | 0.35 mm (f = 5...57.6 Hz) conforming to IEC 60068-2-6<br>1 gn (f = 57.6...150 Hz) conforming to IEC 60255-21-1                                                                                                                                                           |
| shock resistance                      | 5 gn conforming to IEC 60068-2-27                                                                                                                                                                                                                                        |
| IP degree of protection               | IP20(terminals) conforming to IEC 60529<br>IP30 (casing) conforming to IEC 60529                                                                                                                                                                                         |
| pollution degree                      | 3 conforming to IEC 60664-1                                                                                                                                                                                                                                              |
| dielectric test voltage               | 2 kV AC 50 Hz, 1 min conforming to IEC 60255-5<br>2 kV AC 50 Hz, 1 min conforming to IEC 60664-1                                                                                                                                                                         |
| non-dissipating shock wave            | 4 kV conforming to IEC 60255-5<br>4 kV conforming to IEC 60664-1<br>4 kV conforming to IEC 61000-4-5                                                                                                                                                                     |

## Offer Sustainability

|                                                                                                                                  |                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Green Premium product                                                                                                            | Green Premium product                                                                                                            |
| Compliant - since 0701 - Schneider Electric declaration of conformity                                                            | Compliant - since 0701 - Schneider Electric declaration of conformity                                                            |
| Reference not containing SVHC above the threshold                                                                                | Reference not containing SVHC above the threshold                                                                                |
| Available                                                                                                                        | Available                                                                                                                        |
| Available                                                                                                                        | Available                                                                                                                        |
| WARNING: This product can expose you to chemicals including:                                                                     | WARNING: This product can expose you to chemicals including:                                                                     |
| Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. | Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. |
| For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                                    | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                                    |



11-12, 11-14 Output relay connections

Relay status: black color = energized.

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкуренеспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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