



## Main

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|-------------------------------------|---|
| Range                               | TeSys   |
| Product name                        | TeSys U   |
| Device short name                   | LUCM  |
| Product or component type           | Multifunction control unit  |
| Product specific application        | Most sophisticated control and protection requirements, with display  |
| Product compatibility               | ASILUFC5<br>ASILUFC51<br>LUFC00<br>LUFN..<br>LUFV2<br>LULC031<br>LULC033<br>LULC07<br>LULC08<br>LULC09<br>LULC15  |
| Utilisation category                | AC-41<br>AC-43<br>AC-44   |
| Motor power kW                      | 15 kW at 400...440 V AC 50/60 Hz<br>15 kW at 500 V AC 50/60 Hz<br>18.5 kW at 690 V AC 50/60 Hz  |
| Thermal protection adjustment range | 8...32 A  |
| [Uc] control circuit voltage        | 24 V DC   |
| Thermal overload class              | Class 5...30 - frequency limit: 50...60 Hz - temperature compensation: -13...131 °F (-25...55 °C) - conforming to IEC 60947-6-2<br>Class 5...30 - frequency limit: 50...60 Hz - temperature compensation: -13...131 °F (-25...55 °C) - conforming to UL 508 |
| User language                       | English - setting factory setting<br>English, French, German, Italian, Spanish - setting settable   |

## Complementary

|                                |  |
|--------------------------------|--|
| Function available             | Differentiation of thermal overload and magnetic fault<br>Earth fault protection<br>Log function<br>Manual or automatic reset<br>Monitoring function, indication of main motor parameters<br>Overload, no-load running<br>Protection against overload and short-circuit<br>Protection against phase failure and phase imbalance<br>Protection function alarm |
| Mounting mode                  | Plug-in  |
| Mounting location              | Front side   |
| Control circuit voltage limits | 20...28 V DC circuit 24 V in operation   |
| Typical current consumption    | 150 mA at 24 V DC I maximum while closing with LUB12<br>200 mA at 24 V DC I maximum while closing with LUB32<br>70 mA at 24 V DC I rms sealed with LUB12<br>75 mA at 24 V DC I rms sealed  |
| Operating time                 | 35 ms opening with LUB12 control circuit<br>35 ms opening with LUB32 control circuit<br>65 ms closing with LUB32 control circuit<br>75 ms closing with LUB12 control circuit   |
| Load type                      | Single-phase motor - cooling: self-cooled, force cooled - setting settable   |

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.

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|   | 3-phase motor - cooling: self-cooled, force cooled - setting settable  |
| Tripping threshold                                  | 14.2 x I <sub>r</sub> +/- 20 %   |
| Physical interface                                  | RS485 multidrop - connector(s): RJ45 - location: front panel - communication protocol: Modbus RTU 19200 bit/s  |
| Return time   | <= 200 ms  |
| Messages display capacity                           | 2 lines of 12 characters - display LCD - English - accuracy +/- 5 % - resolution 1 % of I <sub>r</sub><br>2 lines of 12 characters - display LCD - French - accuracy +/- 5 % - resolution 1 % of I <sub>r</sub><br>2 lines of 12 characters - display LCD - German - accuracy +/- 5 % - resolution 1 % of I <sub>r</sub><br>2 lines of 12 characters - display LCD - Italian - accuracy +/- 5 % - resolution 1 % of I <sub>r</sub><br>2 lines of 12 characters - display LCD - Spanish - accuracy +/- 5 % - resolution 1 % of I <sub>r</sub> |
| Reset   | Automatic reset - setting: setting range<br>Manual - setting: factory setting<br>Manual - setting: setting range<br>Remote reset - setting: setting range  |
| Time before reset                                   | 120 s - reset manual - setting factory setting<br>1...1000 s - reset manual or automatic reset - setting settable  |
| Information displayed                               | Average current - setting factory setting<br>Average current - setting settable<br>Cause of last 5 faults - setting settable<br>Current in phase - setting settable<br>Earth leakage current - setting settable<br>Phase imbalance - setting settable<br>Thermal state of motor - setting settable   |
| [U <sub>i</sub> ] rated insulation voltage          | 600 V conforming to UL 508<br>690 V conforming to IEC 60947-1<br>600 V conforming to CSA C22.2 No 14   |
| [U <sub>imp</sub> ] rated impulse withstand voltage | 6 kV conforming to IEC 60947-6-2   |
| Safe separation of circuit                          | 400 V SELV between the control and auxiliary circuits conforming to IEC 60947-1<br>400 V SELV between the control or auxiliary circuit and the main circuit conforming to IEC 60947-1  |
| Product weight                                      | 0.39 lb(US) (0.175 kg)   |

## Environment

|                                       |  |
|---------------------------------------|--|
| heat dissipation                      | 0.8 W external auxiliary circuit<br>1.7 W control circuit with LUB12<br>1.8 W control circuit with LUB32   |
| immunity to microbreaks               | 3 ms   |
| immunity to voltage dips              | 70 % 500 ms conforming to IEC 61000-4-11   |
| standards                             | EN 60947-6-2<br>IEC 60947-6-2<br>UL 508 type E with phase barrier<br>CSA C22.2 No 14 type E  |
| product certifications                | ABS<br>ASEFA<br>ATEX<br>BV<br>CCC<br>CSA<br>DNV<br>GL<br>GOST<br>LROS (Lloyds register of shipping)<br>UL  |
| IP degree of protection               | IP20 front panel and wired terminals conforming to IEC 60947-1<br>IP20 other faces conforming to IEC 60947-1<br>IP40 front panel outside connection zone conforming to IEC 60947-1 |
| protective treatment                  | TH conforming to IEC 60068   |
| ambient air temperature for operation | -13...140 °F (-25...60 °C)   |
| ambient air temperature for storage   | -40...185 °F (-40...85 °C)   |
| operating altitude                    | 6561.68 ft (2000 m)  |
| fire resistance                       | 1202 °F (650 °C) conforming to IEC 60695-2-12<br>1760 °F (960 °C) parts supporting live components conforming to IEC 60695-2-12  |
| shock resistance                      | 10 gn power poles open conforming to IEC 60068-2-27<br>15 gn power poles closed conforming to IEC 60068-2-27   |

|                                       |  |
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| vibration resistance                  | 2 gn 5...300 Hz power poles open conforming to IEC 60068-2-6<br>4 gn 5...300 Hz power poles closed conforming to IEC 60068-2-6       |
| resistance to electrostatic discharge | 8 kV level 3 in open air conforming to IEC 61000-4-2<br>8 kV level 4 on contact conforming to IEC 61000-4-2                          |
| resistance to radiated fields         | 9.14 V/yd (10 V/m) 3 conforming to IEC 61000-4-3   |
| resistance to fast transients         | 2 kV class 3 serial link conforming to IEC 61000-4-4<br>4 kV class 4 all circuits except for serial link conforming to IEC 61000-4-4 |
| immunity to radioelectric fields      | 10 V conforming to IEC 61000-4-6   |

### Offer Sustainability

|  |  |
|--|--|
| Green Premium product  | Green Premium product  |
| Compliant - since 1015 - Schneider Electric declaration of conformity  | Compliant - since 1015 - 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>                                    |

### Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

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:

- Конкурентоспособные 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.

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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.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: [org@lifeelectronics.ru](mailto:org@lifeelectronics.ru)