

LUCMX6BL

Multifunction control unit, TeSys U, 0.15-0.6A, 1P/3P motors, protection & diagnostic, class 5-30, coil 24V DC

Product availability : Non-Stock - Not normally stocked in distribution facility



Price* : 615.00 USD



Main

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|--------------------------------|--|
| Range of product | TeSys U |
| Range | TeSys |
| Product name | TeSys U |
| Device short name | LUCM |
| Product or component type | Multifunction control unit |
| Device application | Motor control Motor protection |
| Product specific application | Most sophisticated control and protection requirements, with display |
| Main function available | Earth fault protection Manual or automatic reset Protection function alarm Protection against overload and short-circuit Protection against phase failure and phase imbalance Log function Monitoring function, indication of main motor parameters Differentiation of thermal overload and magnetic fault Overload, no-load running |
| Product compatibility | Power base LUB12 Power base LUB32 Power base LUB38 Power base LUB120 Power base LUB320 Power base LUB380 Reversing contactor breaker LU2B12BL Reversing contactor breaker LU2B32BL Reversing contactor breaker LU2B38BL |
| [Ue] rated operational voltage | 690 V AC |
| Network frequency | 40...60 Hz |
| Load type | 3-phase motor self-cooled factory setting |

* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Oct 2, 2020

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| | 3-phase motor self-cooled, force cooled settable Single-phase motor self-cooled, force cooled settable |
| Utilisation category | AC-43 AC-44 AC-41 |
| Motor power kW | 0.09 kW 400...440 V AC 50/60 Hz 3 phase |
| Rated motor current adjustment range | 0.15...0.6 A |
| Thermal overload class | Class 5...30 50...60 Hz -13...131 °F (-25...55 °C) IEC 60947-6-2 Class 5...30 50...60 Hz -13...131 °F (-25...55 °C) UL 508 |
| Tripping threshold | 14.2 x I _r +/- 20 % |
| [U _c] control circuit voltage | 24 V DC |

Complementary

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| Control circuit voltage limits | 20...28 V DC 24 V in operation 14.5 V DC 24 V drop-out |
| Typical current consumption | 150 mA 24 V DC I maximum while closing with LUB12 200 mA 24 V DC I maximum while closing with LUB32 200 mA 24 V DC I maximum while closing with LUB38 70 mA 24 V DC I rms sealed with LUB12 75 mA 24 V DC I rms sealed with LUB32 75 mA 24 V DC I rms sealed with LUB38 |
| Heat dissipation | 1.7 W control circuit with LUB12 1.8 W control circuit with LUB32 1.8 W control circuit with LUB38 0.8 W external auxiliary circuit |
| Operating time | 35 ms opening with LUB12 control circuit 35 ms opening with LUB32 control circuit 35 ms opening with LUB38 control circuit 75 ms closing with LUB12 control circuit 65 ms closing with LUB32 control circuit 65 ms closing with LUB38 control circuit |
| Physical interface | RS485 multidrop RJ45 front panel Modbus RTU 19200 bit/s |
| Return time | <= 200 ms |
| Messages display capacity | 2 lines of 12 characters LCD - English +/- 5 % 1 % of I _r 2 lines of 12 characters LCD - French +/- 5 % 1 % of I _r 2 lines of 12 characters LCD - German +/- 5 % 1 % of I _r 2 lines of 12 characters LCD - Italian +/- 5 % 1 % of I _r 2 lines of 12 characters LCD - Spanish +/- 5 % 1 % of I _r |
| Reset | Automatic reset setting range Manual factory setting Manual setting range Remote reset setting range |
| Time before reset | 1...1000 s manual or automatic reset settable 120 s manual factory setting |
| User language | English factory setting English, French, German, Italian, Spanish settable |
| Information displayed | Average current factory setting) Average current settable) Cause of last 5 faults settable) Current in phase settable) Earth leakage current settable) Phase imbalance settable) Thermal state of motor settable) |
| Standards | EN 60947-6-2 IEC 60947-6-2 UL 60947-4-1, with phase barrier CSA C22.2 No 60947-4-1, with phase barrier |
| Product certifications | CE UL CSA CCC EAC ASEFA ATEX Marine |
| [U _i] rated insulation voltage | 690 V IEC 60947-6-2 |

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| | 600 V UL 60947-4-1 600 V CSA C22.2 No 60947-4-1 |
| [Uimp] rated impulse withstand voltage | 6 kV IEC 60947-6-2 |
| Safe separation of circuit | 400 V SELV between the control and auxiliary circuits IEC 60947-1 400 V SELV between the control or auxiliary circuit and the main circuit IEC 60947-1 |
| Fixing mode | Plug-in front face) |
| Maximum Width | 1.77 in (45 mm) |
| Maximum Height | 2.60 in (66 mm) |
| Maximum Depth | 2.36 in (60 mm) |
| Net Weight | 0.39 lb(US) (0.175 kg) |
| Compatibility code | LUCM |

Environment

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| IP degree of protection | IP20 front panel and wired terminals IEC 60947-1 IP20 other faces IEC 60947-1 IP40 front panel outside connection zone IEC 60947-1 |
| Protective treatment | TH 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 | 1760 °F (960 °C) parts supporting live components IEC 60695-2-12 1202 °F (650 °C) IEC 60695-2-12 |
| Shock resistance | 10 gn power poles open IEC 60068-2-27 15 gn power poles closed IEC 60068-2-27 |
| Vibration resistance | 2 gn 5...300 Hz power poles open IEC 60068-2-6 4 gn 5...300 Hz power poles closed IEC 60068-2-6 |
| Resistance to electrostatic discharge | 8 kV 3 in open air IEC 61000-4-2 8 kV 4 on contact IEC 61000-4-2 |
| Non-dissipating shock wave | 1 kV serial mode IEC 60947-6-2 2 kV common mode IEC 60947-6-2 |
| Resistance to radiated fields | 9.14 V/m (10 V/m) 3 IEC 61000-4-3 |
| Resistance to fast transients | 2 kV 3 serial link IEC 61000-4-4 4 kV 4 all circuits except for serial link IEC 61000-4-4 |
| Immunity to radioelectric fields | 10 V IEC 61000-4-6 |
| Immunity to microbreaks | 3 ms |
| Immunity to voltage dips | 70 % / 500 ms IEC 61000-4-11 |

Ordering and shipping details

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| Category | 22398 - TESYS U - MULTI-FCTN CTRL MOD(LUCM) |
| Discount Schedule | I11 |
| GTIN | 00785901276357 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.39 lb(US) (0.18 kg) |
| Returnability | No |
| Country of origin | FR |

Packing Units

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|------------------------------|------------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 2.17 in (5.5 cm) |
| Package 1 width | 3.35 in (8.5 cm) |
| Package 1 Length | 4.02 in (10.2 cm) |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 9 |
| Package 2 Weight | 3.99 lb(US) (1.812 kg) |
| Package 2 Height | 5.91 in (15 cm) |

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| Package 2 width | 5.91 in (15 cm) |
| Package 2 Length | 15.75 in (40 cm) |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information. |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |
| PVC free | Yes |
| Halogen content performance | Halogen free plastic parts product |

Contractual warranty

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| Warranty | 18 months |
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