Product data sheet

Specifications





Advanced control unit, TeSys Ultra, 0.15A to 0.6A, 3P motors, protection & diagnostic, class 10, coil 110-240VAC/DC

LUCBX6FU

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

Price*: 150.00 USD

Main

| Range | TeSys |
|---|---|
| Range Of Product | TeSys Ultra |
| Product Name | TeSys Ultra |
| Device Short Name | LUCB |
| Product Or Component Type | Advanced control unit |
| Device Application | Motor control Motor protection |
| Product Specific Application | Basic protection and advanced functions, communication |
| Main Function Available | Manual reset Protection against phase failure and phase imbalance Protection against overload and short-circuit Earth fault protection |
| Product Compatibility | Power base LUB12 Power base LUB32 Power base LUB38 Power base LUB120 Power base LUB320 Power base LUB380 Reversing contactor breaker LU2B12FU Reversing contactor breaker LU2B32FU Reversing contactor breaker LU2B38FU |
| [Ue] Rated Operational Voltage | 690 V AC |
| Network Frequency | 4060 Hz |
| Load Type | 3-phase motor self-cooled |
| Utilisation Category | AC-44 AC-43 AC-41 |
| Motor Power Kw | 0.09 kW 400440 V AC 50/60 Hz |
| Rated Motor Current Adjustment Range | 0.150.6 A |
| Thermal Overload Class | Class 10 4060 Hz -13158 °F (-2570 °C) IEC 60947-6-2 Class 10 4060 Hz -13158 °F (-2570 °C) UL 508 |
| Tripping Threshold | 14.2 x lr +/- 20 % |
| Phase Failure Sensitivity | Yes |
| [Uc] Control Circuit Voltage | 110240 V AC 110220 V DC |

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

Complementary

| Control Circuit Voltage Limits | 88264 V AC 110240 V in operation 88242 V DC 110220 V in operation 55 V AC 110240 V drop-out 55 V DC 110220 V drop-out |
|--|--|
| | |
| Typical Current Consumption | 280 mA 110240 V AC I maximum while closing with LUB12 280 mA 110240 V AC I maximum while closing with LUB32 |
| | 280 mA 110240 V AC I maximum while closing with LUB38 |
| | 280 mA 110220 V DC I maximum while closing with LUB12 |
| | 280 mA 110220 V DC I maximum while closing with LUB32 |
| | 280 mA 110220 V DC I maximum while closing with LUB38 |
| | 35 mA 110240 V AC I rms sealed with LUB12 |
| | 25 mA 110240 V AC I rms sealed with LUB32 |
| | 25 mA 110240 V AC I rms sealed with LUB38 |
| | 35 mA 110220 V DC I rms sealed with LUB12 |
| | 25 mA 110220 V DC I rms sealed with LUB32 |
| | 25 mA 110220 V DC I rms sealed with LUB38 |
| Heat Dissipation | 2 W control circuit with LUB12 |
| | 3 W control circuit with LUB32 |
| | 3 W control circuit with LUB38 |
| Operating Time | 25 ms aponing with LLIP12 control circuit |
| Operating time | 35 ms opening with LUB12 control circuit 35 ms opening with LUB32 control circuit |
| | 35 ms opening with LUB38 control circuit |
| | 50 ms closing with LUB12 control circuit |
| | 50 ms closing with LUB32 control circuit |
| | 50 ms closing with LUB38 control circuit |
| Reset | Manual reset |
| Standarda | |
| 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 |
| [Ui] Rated Insulation Voltage | 690 V IEC 60947-6-2 |
| | 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) |
| Width | 1.77 in (45 mm) |
| Height | 2.60 in (66 mm) |
| Depth | 2.36 in (60 mm) |
| Compatibility Code | LUCB |
| | |

Environment

| 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 | -13158 °F (-2570 °C) |
| Ambient Air Temperature For Storage | -40185 °F (-4085 °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 5300 Hz power poles open IEC 60068-2-6 4 gn 5300 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

| Category | US10I1122397 |
|-------------------|---------------|
| Discount Schedule | 0111 |
| Gtin | 3389110364248 |
| Returnability | No |
| Country Of Origin | FR |

Packing Units

| Unit Type Of Package 1 | PCE |
|------------------------------|------------------------|
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 2.05 in (5.2 cm) |
| Package 1 Width | 3.35 in (8.5 cm) |
| Package 1 Length | 4.06 in (10.3 cm) |
| Package 1 Weight | 4.51 oz (128.0 g) |
| Unit Type Of Package 2 | S01 |
| Number Of Units In Package 2 | 9 |
| Package 2 Height | 5.91 in (15.0 cm) |
| Package 2 Width | 5.91 in (15.0 cm) |
| Package 2 Length | 15.75 in (40.0 cm) |
| Package 2 Weight | 2.88 lb(US) (1.306 kg) |

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Mercury Free
Rohs Exemption Information Yes
Pvc Free

Halogen Free Plastic Parts Product

Certifications & Standards

| Reach Regulation | REACh Declaration |
|--------------------------|--|
| Eu Rohs Directive | Compliant with Exemptions |
| China Rohs Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information. |
| Environmental Disclosure | Product Environmental Profile |
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |
| Circularity Profile | End of Life Information |