



Price* : 83.07 GBP



Main

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| Range | TeSys |
| Product name | TeSys U |
| Device short name | LUCB |
| Product or component type | Advanced control unit |
| Product specific application | Basic protection and advanced functions, communication |
| Product compatibility | LUFV2 LUFDA10 LUFW10 LUFDH11 LUFN.. LUFC00 LUFDA01 |
| Utilisation category | AC-43 AC-44 AC-41 |
| Motor power kW | 15 kW at 690 V AC 50/60 Hz 9 kW at 500 V AC 50/60 Hz 7.5 kW at 400...440 V AC 50/60 Hz |
| Thermal protection adjustment range | 4.5...18 A |
| [Uc] control circuit voltage | 24 V AC |
| Thermal overload class | Class 10 - frequency limit: 40...60 Hz - temperature compensation: -25...70 °C conforming to IEC 60947-6-2 Class 10 - frequency limit: 40...60 Hz - temperature compensation: -25...70 °C conforming to UL 508 |

Complementary

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| Main function available | Protection against overload and short-circuit Protection against phase failure and phase imbalance Manual reset Earth fault protection |
| Mounting mode | Plug-in |
| Mounting location | Front side |

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| Control circuit voltage limits | 20...26.5 V for AC circuit 24 V in operation |
| Typical current consumption | 140 mA at 24 V AC I maximum while closing with LUB12 220 mA at 24 V AC I maximum while closing with LUB32 70 mA at 24 V AC I rms sealed with LUB12 90 mA at 24 V AC I rms sealed with LUB32 |
| Operating time | 35 ms opening with LUB12 for control circuit 35 ms opening with LUB32 for control circuit 70 ms closing with LUB12 for control circuit 70 ms closing with LUB32 for control circuit |
| Load type | 3-phase motor - cooling: self-cooled |
| Tripping threshold | 14.2 x I _r +/- 20 % |
| [U _i] rated insulation voltage | 600 V conforming to UL 508 690 V conforming to IEC 60947-1 600 V conforming to CSA C22.2 No 14 |
| [U _{imp}] rated impulse withstand voltage | 6 kV IEC 60947-6-2 |
| Safe separation of circuit | 400 V SELV between the control and auxiliary circuits conforming to IEC 60947-1 400 V SELV between the control or auxiliary circuit and the main circuit conforming to IEC 60947-1 |

Environment

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| Heat dissipation | 3 W for control circuit with LUB32 |
| Immunity to microbreaks | 3 ms |
| Immunity to voltage dips | 70 % / 500 ms conforming to IEC 61000-4-11 |
| Standards | UL 508 type E, with phase barrier EN 60947-6-2 IEC 60947-6-2 CSA C22.2 No 14 type E |
| Product certifications | CCC ABS GL ASEFA BV CSA LROS (Lloyds register of shipping) DNV UL ATEX GOST |
| IP degree of protection | IP20 front panel and wired terminals conforming to IEC 60947-1 IP20 other faces conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 |
| Protective treatment | TH conforming to IEC 60068 |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -40...85 °C |
| Operating altitude | 2000 m |
| Fire resistance | 960 °C parts supporting live components conforming to IEC 60695-2-12 650 °C conforming to IEC 60695-2-12 |
| Shock resistance | 10 gn power poles open conforming to IEC 60068-2-27 15 gn power poles closed conforming to IEC 60068-2-27 |
| Vibration resistance | 2 gn, 5...300 Hz, power poles open conforming to IEC 60068-2-6 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 8 kV level 4 on contact conforming to IEC 61000-4-2 |
| Non-dissipating shock wave | 1 kV serial mode conforming to IEC 60947-6-2 2 kV common mode conforming to IEC 60947-6-2 |
| Resistance to radiated fields | 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 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

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| Sustainable offer status | Green Premium product |
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| 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 |

Contractual warranty

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| Warranty | 18 months |
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