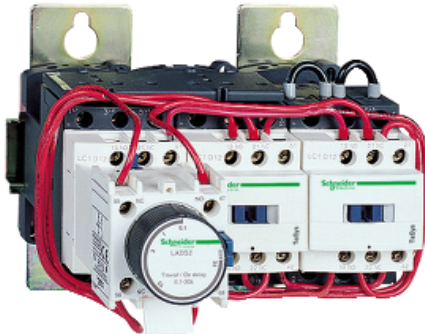




Price* : 1,261.95 GBP



Main

| | |
|--|---|
| Range | TeSys |
| Product name | TeSys D |
| Product or component type | Star delta starter |
| Device short name | LC3D |
| Contactor application | Motor control |
| Utilisation category | AC-3 |
| Device presentation | Pre-wired |
| Poles description | 3 x 3P |
| Power pole contact composition | 3 x 3 NO |
| [Ue] rated operational voltage | Power circuit: ≤ 690 V AC 25...400 Hz |
| [Ie] rated operational current | 80 A (at ≤ 60 °C) at ≤ 440 V AC AC-3 for power circuit |
| Motor power kW | 37 kW at 220/230 V AC 50/60 Hz 75 kW at 380/400 V AC 50/60 Hz 75 kW at 415 V AC 50/60 Hz 75 kW at 440 V AC 50/60 Hz |
| Control circuit type | AC at 50/60 Hz |
| [Uc] control circuit voltage | 240 V AC 50/60 Hz |
| Auxiliary contact composition | 1 NC for KM2 line contactor 1 NO for KM3 delta contactor |
| [Uimp] rated impulse withstand voltage | 8 kV conforming to IEC 60947 |
| Overvoltage category | III |
| [Ui] rated insulation voltage | Power circuit: 600 V CSA certified Power circuit: 600 V UL certified Signalling circuit: 600 V CSA certified Signalling circuit: 600 V UL certified Power circuit: 1000 V conforming to IEC 60947-4-1 Signalling circuit: 1000 V conforming to IEC 60947-1 |
| Electrical durability | 10 Mcycles 80 A AC-3 at $U_e \leq 440$ V |
| Interlocking type | Mechanical |

Disclaimer: 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

| | |
|------------------------|---|
| Mounting support | Plate |
| Standards | UL 508 IEC 60947-5-1 EN 60947-4-1 EN 60947-5-1 CSA C22.2 No 14 IEC 60947-4-1 |
| Product certifications | UL GL RINA LROS (Lloyds register of shipping) CCC BV DNV GOST CSA |

Complementary

| | |
|---------------------------------|--|
| Connections - terminals | Control circuit: screw clamp terminals 1 1...4 mm ² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 1...4 mm ² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 1...2.5 mm ² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 1...4 mm ² - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 1...4 mm ² - cable stiffness: solid without cable end Power circuit: screw clamp terminals 1 4...50 mm ² - cable stiffness: flexible without cable end Power circuit: screw clamp terminals 2 4...25 mm ² - cable stiffness: flexible without cable end Power circuit: screw clamp terminals 1 4...50 mm ² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 2 4...16 mm ² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 1 4...50 mm ² - cable stiffness: solid without cable end Power circuit: screw clamp terminals 2 4...25 mm ² - cable stiffness: solid without cable end Control circuit: screw clamp terminals 1 1...2.5 mm ² - cable stiffness: flexible with cable end |
| Tightening torque | Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2 Power circuit: 9 N.m - on screw clamp terminals - with screwdriver flat Ø 6...8 mm |
| Mechanical durability | 4 Mcycles |
| Maximum operating rate | 30 cyc/h 60 °C |
| Starting time | 30 s |
| Coil technology | Without built-in suppressor module |
| Control circuit voltage limits | Drop-out: 0.3...0.6 U _c at 50/60 Hz (at <55 °C) Operational: 0.8...1.1 U _c at 50 Hz (at <55 °C) Operational: 0.85...1.1 U _c at 60 Hz (at <55 °C) |
| Inrush power in VA | 140 VA 60 Hz cos phi 0.75 (at 20 °C) 160 VA 50 Hz cos phi 0.75 (at 20 °C) |
| Hold-in power consumption in VA | 13 VA 60 Hz cos phi 0.3 (at 20 °C) 15 VA 50 Hz cos phi 0.3 (at 20 °C) |
| Heat dissipation | 4...5 W at 50/60 Hz |
| Auxiliary contacts type | Mechanically linked conforming to IEC 60947-5-1 3 x 1 NO + 1 NC Mirror contact conforming to IEC 60947-4-1 3 x 1 NC |
| Signalling circuit frequency | 25...400 Hz |
| Minimum switching current | 5 mA for signalling circuit |
| Minimum switching voltage | 17 V for signalling circuit |
| Non-overlap time | 1.5 ms on de-energisation between NC and NO contact 1.5 ms on energisation between NC and NO contact |
| Width | 311 mm |
| Height | 143 mm |
| Depth | 183 mm |
| Product weight | 5.4 kg |

Environment

| | |
|-------------------------|---|
| Insulation resistance | > 10 MOhm for signalling circuit |
| IP degree of protection | IP20 front face conforming to IEC 60529 |
| Protective treatment | TH conforming to IEC 60068-2-30 |
| Pollution degree | 3 |

| | |
|---------------------------------------|---|
| Ambient air temperature for storage | -60...80 °C |
| Ambient air temperature for operation | -40...70 °C at Uc |
| Operating altitude | 3000 m without |
| Fire resistance | 850 °C conforming to IEC 60695-2-1 |
| Flame retardance | V1 conforming to UL 94 |
| Mechanical robustness | Vibrations contactor open: 2 Gn, 5...300 Hz Shocks contactor open: 8 Gn for 11 ms Vibrations contactor closed: 3 Gn, 5...300 Hz Shocks contactor closed: 10 Gn for 11 ms |

Offer Sustainability

| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration |
| 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 |
|----------|-----------|