



Price* : 1,132.58 GBP



Main

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| Range | TeSys |
| Product name | TeSys F |
| Product or component type | Contactors |
| Device short name | LC1F |
| Contactors application | Resistive load Motor control |
| Utilisation category | AC-3 AC-4 AC-1 |
| Poles description | 3P |
| Power pole contact composition | 3 NO |
| [Ue] rated operational voltage | <= 1000 V AC 50/60 Hz <= 460 V DC |
| [Ie] rated operational current | 400 A (at <40 °C) at <= 440 V AC AC-1 330 A (at <55 °C) at <= 440 V AC AC-3 |
| Motor power kW | 160 kW at 380...400 V AC 50/60 Hz (AC-3) 180 kW at 415 V AC 50/60 Hz (AC-3) 200 kW at 440 V AC 50/60 Hz (AC-3) 200 kW at 500 V AC 50/60 Hz (AC-3) 220 kW at 660...690 V AC 50/60 Hz (AC-3) 160 kW at 1000 V AC 50/60 Hz (AC-3) 100 kW at 220...230 V AC 50/60 Hz (AC-3) 59 kW at 400 V AC 50/60 Hz (AC-4) |
| [Uc] control circuit voltage | 440 V AC 40...400 Hz |

Complementary

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| [Uimp] rated impulse withstand voltage | 8 kV |
| Overvoltage category | III |
| [Ith] conventional free air thermal current | 400 A (at 40 °C) |

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| Rated breaking capacity | 2640 A conforming to IEC 60947-4-1 |
| [Icw] rated short-time withstand current | 2650 A 40 °C - 10 s 1800 A 40 °C - 30 s 1300 A 40 °C - 1 min 900 A 40 °C - 3 min 750 A 40 °C - 10 min |
| Associated fuse rating | 400 A aM at ≤ 440 V 500 A gG at ≤ 440 V |
| Average impedance | 0.28 mOhm - Ith 400 A 50 Hz |
| [Ui] rated insulation voltage | 1000 V conforming to IEC 60947-4-1 1500 V conforming to VDE 0110 group C |
| Power dissipation per pole | 44 W AC-1 31 W AC-3 |
| Mounting support | Plate |
| Standards | EN 60947-4-1 IEC 60947-1 IEC 60947-4-1 EN 60947-1 JIS C8201-4-1 |
| Product certifications | CB LROS (Lloyds register of shipping) ABS RINA CCC UL RMRoS BV DNV |
| Connections - terminals | Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm ² flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm ² flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² solid without cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm ² solid without cable end Power circuit: lugs-ring terminals 1 cable(s) 240 mm ² Power circuit: bar 2 cable(s) - busbar cross section: 30 x 5 mm Power circuit: bolted connection |
| Tightening torque | Control circuit: 1.2 N.m Power circuit: 35 N.m |
| Control circuit voltage limits | Operational: 0.85...1.1 U _c 40...400 Hz (at 55 °C) Drop-out: 0.35...0.55 U _c 40...400 Hz (at 55 °C) |
| Inrush power in VA | 650 VA 40...400 Hz cos phi 0.9 (at 20 °C) |
| Hold-in power consumption in VA | 10 VA 40...400 Hz cos phi 0.9 (at 20 °C) |
| Heat dissipation | 8 W |
| Operating time | 40...65 ms closing 100...170 ms opening |
| Mechanical durability | 10 Mcycles |
| Maximum operating rate | 2400 cyc/h 55 °C |
| Compatibility code | LC1F |

Environment

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| IP degree of protection | IP20 front face with shrouds conforming to IEC 60529 IP20 front face with shrouds conforming to VDE 0106 |
| Protective treatment | TH |
| Ambient air temperature for operation | -5...55 °C |
| Ambient air temperature for storage | -60...80 °C |
| Permissible ambient air temperature around the device | -40...70 °C |
| Operating altitude | 3000 m without |
| Height | 206 mm |
| Width | 213 mm |
| Depth | 219 mm |

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| Product weight | 8.6 kg |
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Offer Sustainability

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| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| 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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