



Price* : 7,052.05 GBP



Main

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| Range | TeSys |
| Product name | TeSys F |
| Product or component type | Contacteur |
| Device short name | LC1F |
| Contacteur application | Resistive load |
| Utilisation category | AC-1 |
| Poles description | 4P |
| Power pole contact composition | 4 NO |
| [Ue] rated operational voltage | ≤ 1000 V AC 50/60 Hz ≤ 460 V DC |
| [Ie] rated operational current | 1600 A (at 40 °C) at ≤ 440 V AC AC-1 |
| [Uc] control circuit voltage | 220 V DC |
| Coil type | Standard |

Complementary

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|---|---|
| [Uimp] rated impulse withstand voltage | 8 kV |
| Overvoltage category | III |
| [Ith] conventional free air thermal current | 1600 A (at 40 °C) |
| Rated breaking capacity | 6240 A conforming to IEC 60947-4-1 |
| [Icw] rated short-time withstand current | 3000 A 40 °C - 3 min 6250 A 40 °C - 10 s 5600 A 40 °C - 30 s 4600 A 40 °C - 1 min 2200 A 40 °C - 10 min |
| Associated fuse rating | 1600 A gG at ≤ 440 V 800 A aM at ≤ 440 V |
| Average impedance | 0.1 mOhm - Ith 1600 A 50 Hz |
| [Ui] rated insulation voltage | 1000 V conforming to IEC 60947-4-1 |

1500 V conforming to VDE 0110 group C

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| Power dissipation per pole | 250 W AC-1 |
| Mounting support | Plate |
| Standards | EN 60947-4-1 IEC 60947-1 JIS C8201-4-1 IEC 60947-4-1 EN 60947-1 |
| Product certifications | CB UL RMRoS DNV RINA LROS (Lloyds register of shipping) ABS CCC BV |
| 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: bar 2 cable(s) - busbar cross section: 100 x 5 mm Power circuit: bolted connection |
| Tightening torque | Control circuit: 1.2 N.m Power circuit: 58 N.m |
| Control circuit voltage limits | Operational: 0.85...1.1 U _c (at 55 °C) Drop-out: 0.2...0.4 U _c (at 55 °C) |
| Inrush power in W | 2000 W (at 20 °C) |
| Hold-in power consumption in W | 42 W at 20 °C |
| Heat dissipation | 42 W |
| Operating time | 70...80 ms closing 100...130 ms opening |
| Mechanical durability | 5 Mcycles |
| Maximum operating rate | 600 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 | 434 mm |
| Width | 862 mm |
| Depth | 255 mm |
| Product weight | 48 kg |

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

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|--------------------------|---|
| 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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