

Product data sheet

Characteristics

LX1FK220

TeSys F - contactor coil - LX1FK - 220...230 V AC 40...400 Hz



Main

| | |
|------------------------------|------------------------------------------------------|
| Range | TeSys |
| Product or component type | Contactor coil |
| Device short name | LX1FK |
| Range compatibility | TeSys F LC1F contactor |
| Product compatibility | LC1F500 |
| Control circuit type | AC at 40...400 Hz |
| [Uc] control circuit voltage | 220...230 V AC 40...400 Hz |
| Average resistance | 35.5 Ohm inrush at 20 °C 915 Ohm holding at 20 °C |
| Inductance of closed circuit | 4.55 H |
| Operating time | 100...170 ms opening 40...75 ms closing |
| Mechanical durability | 10 Mcycles |
| Maximum operating rate | 2400 cyc/h 55 °C |

Complementary

| | |
|---------------------------------|----------------------------------------------------------------------------------------------------|
| Coil technology | Without built-in suppressor module |
| Control circuit voltage limits | Operational: 0.85...1.1 Uc 40...400 Hz (at 55 °C) Drop-out: 0.3...0.5 Uc 40...400 Hz (at 55 °C) |
| Inrush power in VA | 1100 VA 40...400 Hz cos phi 0.9 (at 20 °C) |
| Hold-in power consumption in VA | 18 VA 40...400 Hz cos phi 0.3 (at 20 °C) |
| Heat dissipation | 18 W at 40...400 Hz |

Environment

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|---------------------------------------|------------|
| Ambient air temperature for operation | -5...55 °C |
| Net weight | 1.15 kg |

Packing Units

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|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 1.299 kg |
| Package 1 Height | 11 cm |
| Package 1 width | 13.3 cm |
| Package 1 Length | 20.6 cm |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 6 |
| Package 2 Weight | 7.865 kg |
| Package 2 Height | 30 cm |
| Package 2 width | 30 cm |
| Package 2 Length | 40 cm |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 48 |
| Package 3 Weight | 76.556 kg |
| Package 3 Height | 77 cm |

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|------------------|-------|
| Package 3 width | 80 cm |
| Package 3 Length | 60 cm |

Offer Sustainability

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|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status | Green Premium product |
| REACH Regulation |  REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope)  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 |

Contractual warranty

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|----------|-----------|
| Warranty | 18 months |
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