# Product data sheet
## Characteristics

# LX1FL415
## TeSys F - contactor coil - LX1FL - 415...440V AC 40...400 Hz



## Main

| | |
|---|---|
| Range | TeSys |
| Product or component type | Contactor coil |
| Device short name | LX1FL |
| Range compatibility | TeSys TeSys F LC1F contactor |
| Product compatibility | LC1F1250<br>LC1F630 |
| Control circuit type | AC at 40...400 Hz |
| [Uc] control circuit voltage | 415...440 V AC 40...400 Hz |
| Inductance of closed circuit | 13 H |
| Average resistance | 96 Ohm inrush at 20 °C<br>2960 Ohm holding at 20 °C |
| Operating time | 100...200 ms opening<br>40...80 ms closing |
| Mechanical durability | 5 Mcycles |
| Maximum operating rate | 1200 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)<br>Drop-out: 0.25...0.5 Uc 40...400 Hz (at 55 °C) |
| Inrush power in VA | 1650 VA 40...400 Hz cos phi 0.9 (at 20 °C) |
| Hold-in power consumption in VA | 22 VA 40...400 Hz cos phi 0.3 (at 20 °C) |
| Heat dissipation | 20 W at 40...400 Hz |

## Environment

| | |
|---|---|
| Ambient air temperature for operation | -5…55 °C |
| Net weight | 1.5 Kg |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 10.0 Cm |
| Package 1 Width | 11.5 Cm |
| Package 1 Length | 22.5 Cm |
| Package 1 Weight | 1.396 Kg |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 6 |

| | |
|---|---|
| Package 2 Height | 30.0 Cm |
| Package 2 Width | 30.0 Cm |
| Package 2 Length | 40.0 Cm |
| Package 2 Weight | 8.866 Kg |

## Offer Sustainability

| | |
|---|---|
| Mercury free | Yes |
| Sustainable packaging | Yes |
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | Yes |
| SCIP Number | 975ba4d0-bc82-40e2-8faa-6f6819f63b0c |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |
| EU RoHS Directive | Compliant By Exemption |
| Take-back | No |

## Contractual warranty

| | |
|---|---|
| Warranty (in months) | 18 |

Product Life Status : Commercialised