

# Product datasheet

Specifications



## TeSys F - contactor coil - LX1FK - 415...440V AC 40...400 Hz

LX1FK415

**To be discontinued on:** 31 December 2028

**To be discontinued**

### Main

Range	TeSys
Product or component type	Contactor coil
Device short name	LX1FK
Range compatibility	TeSys (TeSys F) LC1F contactor
Product compatibility	LC1F500
Control circuit type	AC at 40...400 Hz
[Uc] control circuit voltage	415 V AC 40...400 Hz
Inductance of closed circuit	18.4 H
Average resistance	143 Ohm inrush at 20 °C 3730 Ohm holding at 20 °C
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

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

### Packing Units

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
Package 1 Height	10.6 cm
Package 1 Width	11.2 cm
Package 1 Length	22.6 cm
Package 1 Weight	1.193 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	7.717 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>

Contractual warranty

Warranty	18 months
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Recommended replacement(s)