

Product datasheet

Specifications



TeSys F - contactor coil - LX1FL - 110...120 V AC 40...400 Hz

LX1FL110

To be discontinued on: 31 December 2028

To be discontinued

Main

Range	TeSys
Product or component type	Contactor coil
Device short name	LX1FL
Range compatibility	TeSys TeSys F LC1F contactor
Product compatibility	LC1F1250 LC1F630
Control circuit type	AC at 40...400 Hz
[Uc] control circuit voltage	110...120 V AC 40...400 Hz
Inductance of closed circuit	1.85 H
Average resistance	6.45 Ohm inrush at 20 °C 165 Ohm holding at 20 °C
Operating time	100...200 ms opening 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) 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
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Number of Units in Package 1	1
Package 1 Height	10.0 cm
Package 1 Width	12.0 cm
Package 1 Length	22.5 cm
Package 1 Weight	1.466 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	9.21 kg

Offer Sustainability

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
China RoHS Regulation	China RoHS declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

Warranty	18 months
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Recommended replacement(s)