

LC1F1250

contactor body without coil, TeSys F, 3P(3NO),
AC-1 ≤440V 1260A with coil LX1/ LX9, 110...
600V AC 40/400Hz, LX4, 48...250V DC



Main

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	3P
Power pole contact composition	3 NO
[Ue] rated operational voltage	≤ 690 V AC 50/60 Hz
[Ie] rated operational current	1260 A 104 °F (40 °C) ≤ 440 V AC-1

Complementary

[Uc] control circuit voltage	110...600 V AC 40...400 Hz with LX1/LX9 coil 28...250 V DC with LX4 coil
[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	1260 A (at 104 °F (40 °C))
Irms rated making capacity	1890 A conforming to IEC 60947-4-1
Rated breaking capacity	1890 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	3000 A 104 °F (40 °C) - 3 min 5200 A 104 °F (40 °C) - 30 s 4000 A 104 °F (40 °C) - 1 min 2000 A 104 °F (40 °C) - 10 min 8000 A 104 °F (40 °C) - 10 s
Associated fuse rating	1400 A gG at ≤ 440 V for power circuit
Average impedance	0.12 mOhm - Ith 1260 A 50 Hz
[Ui] rated insulation voltage	1000 V IEC 60947-4-1 1500 V VDE 0110 group C
Power dissipation per pole	120 W AC-1
Control circuit voltage limits	Operational: 0.85...1.1 Uc AC 40...400 Hz with LX1/LX9 coil Drop-out: 0.25...0.5 Uc AC 40...400 Hz with LX1/LX9 coil Operational: 0.85...1.1 Uc DC with LX4 coil Drop-out: 0.2...0.35 Uc DC with LX4 coil
Heat dissipation	20 W
Operating time	40...80 ms closing with LX1/LX9 coil 100...200 ms opening with LX1/LX9 coil 60...70 ms closing with LX4 coil 40...50 ms opening with LX4 coil
Mounting Support	Plate
Standards	IEC 60947-1 EN 60947-1 JIS C8201-4-1 EN 60947-4-1 IEC 60947-4-1
Product Certifications	CB[RETURN]JUL[RETURN]CSA[RETURN]CQC[RETURN]CE[RETURN]UKCA[RETURN]CCC

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Connections - terminals	Power circuit bar 2 Power circuit bolted connection Control circuit screw clamp terminals 1 0.00...0.01 in ² (1...4 mm ²)flexible without cable end Control circuit screw clamp terminals 2 0.00...0.01 in ² (1...4 mm ²)flexible with cable end Control circuit screw clamp terminals 1 0.00...0.01 in ² (1...4 mm ²)flexible with cable end Control circuit screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²)solid without cable end Control circuit screw clamp terminals 1 0.00...0.01 in ² (1...4 mm ²) Control circuit screw clamp terminals 2 0.00...0.01 in ² (1...4 mm ²)
Tightening torque	Power circuit 513.34 lbf.in (58 N.m) Control circuit 10.62 lbf.in (1.2 N.m)
Mechanical durability	1 Mcycles
Inrush power in VA	1500...1730 VA, 40...400 Hz cos phi 0.9 (at 68 °F (20 °C))with LX1/LX9 coil 1420...1920 VA (at 68 °F (20 °C))with LX4 coil
Hold-in power consumption in VA	20...25 VA, 40...400 Hz cos phi 0.9 (at 68 °F (20 °C))with LX1/LX9 coil 6.5...12.5 VA (at 68 °F (20 °C))with LX4 coil
Maximum operating rate	1200 cyc/h 131 °F (55 °C)

Environment

Protective treatment	TH
Ambient Air Temperature for Operation	23...104 °F (-5...40 °C)
Ambient Air Temperature for Storage	-76...176 °F (-60...80 °C)
Permissible ambient air temperature around the device	-40...140 °F (-40...60 °C)
Operating altitude	9842.52 ft (3000 m) without derating
Mechanical robustness	Vibrations contactor open2 Gn, 5...300 Hz Vibrations contactor closed4 Gn, 5...300 Hz Shocks contactor open6 Gn for 1/2 sine wave (11 ms) Shocks contactor closed15 Gn for 1/2 sine wave (11 ms)
Height	13.31 in (338 mm)
Width	12.17 in (309 mm)
Depth	10.04 in (255 mm)
Net Weight	41.89 lb(US) (19 kg)


Ordering and shipping details

Category	22336-CTR,F-LINE,AC,OPEN,NONREV
Discount Schedule	I12
GTIN	3606485242538
Returnability	No
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	12.99 in (33.0 cm)
Package 1 Width	14.57 in (37.0 cm)
Package 1 Length	17.32 in (44.0 cm)
Package 1 Weight	44.31 lb(US) (20.1 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes

China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
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

Warranty	18 months
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