



Main

Range	TeSys
Range of Product	TeSys F
Product or Component Type	Contacteur
Device short name	LC1F
Contacteur application	Resistive load
Utilisation category	AC-1
Poles description	3P
[Ue] rated operational voltage	<= 1000 V AC 50/60 Hz <= 460 V DC
[Uc] control circuit voltage	230 V AC 40...400 Hz
[Ie] rated operational current	2100 A (at <104 °F (40 °C)) AC AC-1

Complementary

[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	2100 A (at 104 °F (40 °C))
Rated breaking capacity	3150 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	10000 A 104 °F (40 °C) - 10 s 7500 A 104 °F (40 °C) - 30 s 5500 A 104 °F (40 °C) - 1 min 4200 A 104 °F (40 °C) - 3 min 3000 A 104 °F (40 °C) - 10 min
Associated fuse rating	2000 A gG at <= 440 V
Average impedance	0.1 mOhm - Ith 2100 A 50 Hz
[Ui] rated insulation voltage	1000 V IEC 60947-4-1 1500 V VDE 0110 group C 1000 V UL 60947-4-1
Power dissipation per pole	200 W AC-1
Overvoltage category	III
Power pole contact composition	3 NO
Control circuit voltage limits	Operational 0.85...1.1 Uc 40...400 Hz 131 °F (55 °C) Drop-out 0.3...0.5 Uc 40...400 Hz 131 °F (55 °C))
Inrush power in VA	2200 VA, 40...400 Hz 0.9 68 °F (20 °C))
Hold-in power consumption in VA	36 VA, 40...400 Hz 0.9 68 °F (20 °C))
Maximum operating rate	600 cyc/h 131 °F (55 °C)
Operating time	100...170 ms opening 40...75 ms closing
Connections - terminals	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 without 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)flexible with cable end Control circuit screw clamp terminals 1 0.00...0.01 in ² (1...4 mm ²)solid without cable end Control circuit screw clamp terminals 2 0.00...0.01 in ² (1...4 mm ²)solid without cable end Power circuit bar 4 100 x 5 mm Power circuit bolted connection

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Tightening torque	Control circuit 10.62 lbf.in (1.2 N.m) Power circuit 513.34 lbf.in (58 N.m)
Mounting Support	Plate
Heat dissipation	36 W
Standards	EN 60947-1 JIS C8201-4-1 EN 60947-4-1 IEC 60947-4-1 IEC 60947-1 UL 60947-4-1 CSA C22.2 No 60947-4-1
Product Certifications	UL[RETURN]CSA[RETURN]CCC[RETURN]CB Scheme[RETURN]EAC[RETURN]UKCA
Compatibility code	LC1F
Control circuit type	AC 40...400 Hz

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)
Height	13.07 in (332 mm)
Width	17.24 in (438 mm)
Depth	9.39 in (238.6 mm)
Operating altitude	9842.52 ft (3000 m) without derating
Net Weight	68.34 lb(US) (31 kg)

Ordering and shipping details

Category	22336-CTR,F-LINE,AC,OPEN,NONREV
Discount Schedule	I12
GTIN	3389118372696
Returnability	No
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	14.96 in (38 cm)
Package 1 Width	18.90 in (48 cm)
Package 1 Length	23.62 in (60 cm)
Package 1 Weight	88.18 lb(US) (40 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
