



## 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	<= 460 V DC <= 690 V AC 50/60 Hz
[Uc] control circuit voltage	230 V DC
[Ie] rated operational current	1260 A (at <104 °F (40 °C)) AC-1

## Complementary

[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	1260 A (at 104 °F (40 °C))
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 8000 A 104 °F (40 °C) - 10 s 5200 A 104 °F (40 °C) - 30 s 4000 A 104 °F (40 °C) - 1 min 2000 A 104 °F (40 °C) - 10 min
Associated fuse rating	1000 A gG at <= 440 V
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
Overvoltage category	III
Power pole contact composition	3 NO
Control circuit voltage limits	Operational 0.85...1.1 U <sub>c</sub> 131 °F (55 °C) Drop-out 0.2...0.35 U <sub>c</sub> 131 °F (55 °C)
Inrush power in W	1600 W 68 °F (20 °C)
Hold-in power consumption in W	9 W 68 °F (20 °C)
Maximum operating rate	1200 cyc/h 131 °F (55 °C)
Operating time	60...70 ms closing 40...50 ms opening
Connections - terminals	Control circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> )flexible without cable end Control circuit screw clamp terminals 2 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> )flexible without cable end Control circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> )flexible with cable end Control circuit screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> )flexible with cable end Control circuit screw clamp terminals 1 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> )solid without cable end Control circuit screw clamp terminals 2 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> )solid without cable end Power circuit bar 2 100 x 5 mm Power circuit bolted connection
Tightening torque	Control circuit 10.62 lbf.in (1.2 N.m) Power circuit 513.34 lbf.in (58 N.m)

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.

Mounting Support	Plate
Heat dissipation	9 W
Standards	EN 60947-1 IEC 60947-1 JIS C8201-4-1 EN 60947-4-1 IEC 60947-4-1
Product Certifications	CB[RETURN]UL[RETURN]CSA[RETURN]CQC[RETURN]CE[RETURN]UKCA[RETURN]CCC
Compatibility code	LC1F
Control circuit type	DC standard

## 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	13.31 in (338 mm)
Width	12.17 in (309 mm)
Depth	10.04 in (255 mm)
Operating altitude	9842.52 ft (3000 m) without derating
Net Weight	41.89 lb(US) (19 kg)

## Ordering and shipping details

Category	22331-CTR,F-LINE,DC,OPEN,NONREV
Discount Schedule	I12
GTIN	3606485242606
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant with Exemptions
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>
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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