Product data sheet

Specifications



contactor, TeSys F, 3P(3NO), AC-1, <=690V 1260 A, coil 110V AC

LC1F1250F7

Product availability: Stock - Normally stocked in distribution facility

Main

Range	TeSys
Range of Product	TeSys F
Product or Component Type	Contactor
Device short name	LC1F
Contactor 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	110 V AC 40...400 Hz
[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 Uc 40...400 Hz 131 °F (55 °C)) Drop-out 0.25...0.5 Uc 40...400 Hz 131 °F (55 °C))
Inrush power in VA	1650 VA, 40...400 Hz 0.9 68 °F (20 °C))
Hold-in power consumption in VA	22 VA, 40...400 Hz 0.9 68 °F (20 °C))
Maximum operating rate	1200 cyc/h 131 °F (55 °C)
Operating time	40...80 ms closing 100...200 ms opening

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: 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

Connections - terminals	Control circuit screw clamp terminals 1 0.002…0.006 in² (1…4 mm²)flexible without cable end Control circuit screw clamp terminals 2 0.002…0.006 in² (1…4 mm²)flexible without cable end Control circuit screw clamp terminals 1 0.002…0.006 in² (1…4 mm²)flexible with cable end Control circuit screw clamp terminals 2 0.002…0.004 in² (1…2.5 mm²)flexible with cable end Control circuit screw clamp terminals 1 0.002…0.006 in² (1…4 mm²)solid without cable end Control circuit screw clamp terminals 2 0.002…0.006 in² (1…4 mm²)solid without cable end Power circuit bar 2 100 x 5 mm Power circuit bolted connection
Tightening torque	Control circuit 10.6 lbf.in (1.2 N.m) Power circuit 513.3 lbf.in (58 N.m)
Mounting Support	Plate
Heat dissipation	20 W
Standards	EN 60947-1 IEC 60947-1 IEC 60947-4-1 JIS C8201-4-1 EN 60947-4-1
Product Certifications	CB UL CSA CQC CE UKCA CCC
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	13.3 in (338 mm)
Width	12.2 in (309 mm)
Depth	10.04 in (255 mm)
Operating altitude	9842.52 ft (3000 m) without derating
Product Weight	41.9 lb(US) (19 kg)

Ordering and shipping details

Category	US10I1222336
Discount Schedule	0I12
GTIN	3606485242552
Returnability	Yes
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE

Nbr. of units in pkg.	1
Package 1 Height	11.614 in (29.500 cm)
Package 1 Width	14.567 in (37.000 cm)
Package 1 Length	18.110 in (46.000 cm)
Package weight(Lbs)	47.840 lb(US) (21.700 kg)
Unit Type of Package 2	P06
Number of Units in Package 2	4
Package 2 Height	29.528 in (75.000 cm)
Package 2 Width	31.496 in (80.000 cm)
Package 2 Length	25.197 in (64.000 cm)
Package 2 Weight	213.408 lb(US) (96.800 kg)

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**12 476 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**133 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**8 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.2 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**12 300 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**35 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No, we have minimized the use of plastic in the packaging in compliance with regulations and considering quality and safety standards**
SCIP Number	**F040462c-f312-4a6d-9d16-164be5751a29**
EU RoHS Directive	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
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**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**84**
Circularity Profile	End of Life Information
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.**