



contactor body withou coil, TeSys F, 3P(3NO), AC-1, <=1000V AC 1400A, with coil LX1/LX9, 110…500V AC 40/400Hz, LX4, 110...440V DC

LC1F1400

Main

Range	TeSys
Product name	TeSys F
product or component type	Contactor
Device short name	LC1F
contactor application	Resistive load
Utilisation category	AC-1
poles description	3P
power pole contact composition	3 NO
[Ue] rated operational voltage	<= 1000 V AC 50/60 Hz <= 460 V DC
[le] rated operational current	1400 A (at <40 °C) at <= 440 V AC AC-1

Complementary

Complemental y		
[Uc] control circuit voltage	100500 V AC 40400 Hz with LX1/LX9 coil 110440 V DC with LX4 coil	
[Uimp] rated impulse withstand voltage	8 kV	
Overvoltage category	III	
[Ith] conventional free air thermal current	1400 A (at 40 °C)	
Irms rated making capacity	2100 A AC conforming to IEC 60947-4-1	
Rated breaking capacity	2100 A conforming to IEC 60947-4-1	
[lcw] rated short-time withstand current	8000 A 40 °C - 10 s 6000 A 40 °C - 30 s 4500 A 40 °C - 1 min 4000 A 40 °C - 3 min 2600 A 40 °C - 10 min	
Associated fuse rating	1600 A gG at <= 440 V conforming to IEC 60947-4-1	
Average impedance	0.1 mOhm - Ith 1400 A 50 Hz	
[Ui] rated insulation voltage	1000 V conforming to IEC 60947-4-1 1500 V conforming to VDE 0110 group C 1000 V conforming to UL 60947-4-1	
Power dissipation per pole	150 W AC-1	
Control circuit voltage limits	Operational: 0.851.1 Uc AC 40400 Hz with LX1/LX9 coil Drop-out: 0.30.5 Uc AC 40400 Hz with LX1/LX9 coil Operational: 0.851.1 Uc DC with LX4 coil	

Drop-out: 0.2...0.35 Uc DC with LX4 coil

Life Is On Schneider 11 Oct 2024

cable end
le end
le end
able end

Environment

Protective treatment	тн	
ambient air temperature for operation	-540 °C	
ambient air temperature for storage	-6080 °C	
Permissible ambient air temperature around the device	1000 0	
Operating altitude	3000 m without derating	
Mechanical robustness	Vibrations contactor open: 2 Gn, 5300 Hz Vibrations contactor closed: 4 Gn, 5300 Hz Shocks contactor open: 6 Gn for 1/2 sine wave (11 ms) Shocks contactor closed: 15 Gn for 1/2 sine wave (11 ms)	
Height	332 mm	
Width	438 mm	
Depth	238.6 mm	
net weight	29 kg	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	39.5 cm

Package 1 Width	50.0 cm	
Package 1 Length	62.0 cm	
Package 1 Weight	30.0 ka	

Contractual warranty

Warranty 18 months

Sustainability Screen Premium*

Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



Mercury Free



Rohs Exemption Information

Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information

11 Oct 2024