



TeSys F contactor - 2P (2 NO) - AC-1 - <= 440 V 500 A - coil 110 V AC

LC1F4002F7

! Discontinued on: Jul 12, 2021

(!) Discontinued

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	2P	
[Ue] rated operational voltage	<= 1000 V AC 50/60 Hz <= 460 V DC	
[Uc] control circuit voltage	110 V AC 40400 Hz	
[le] rated operational current	500 A (at <104 °F (40 °C)) at <= 440 V AC AC-1	

Complementary

[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	500 A (at 104 °F (40 °C))
Rated breaking capacity	3200 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	3600 A 104 °F (40 °C) - 10 s 2400 A 104 °F (40 °C) - 30 s 1700 A 104 °F (40 °C) - 1 min 1200 A 104 °F (40 °C) - 3 min 1000 A 104 °F (40 °C) - 10 min
Associated fuse rating	400 A aM at <= 440 V 500 A gG at <= 440 V
Average impedance	0.26 mOhm - Ith 500 A 50 Hz
[Ui] rated insulation voltage	1000 V IEC 60947-4-1 1500 V VDE 0110 group C
Power dissipation per pole	65 W AC-1
Overvoltage category	III
power pole contact composition	2 NO
Control circuit voltage limits	Operational 0.851.1 Uc 40400 Hz 131 °F (55 °C)) Drop-out 0.30.5 Uc 40400 Hz 131 °F (55 °C))
Mechanical durability	10 Mcycles
Inrush power in VA	1075 VA, 40400 Hz 0.9 68 °F (20 °C))
Hold-in power consumption in VA	15 VA, 40400 Hz 0.9 68 °F (20 °C))

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

Maximum operating rate	2400 cyc/h 131 °F (55 °C)
Operating time	100170 ms opening 4075 ms closing
Connections - terminals	Control circuit screw clamp terminals 1 0.0020.006 in² (14 mm²)flexible without cable end Control circuit screw clamp terminals 2 0.0020.006 in² (14 mm²)flexible without cable end Control circuit screw clamp terminals 1 0.0020.006 in² (14 mm²)flexible with cable end Control circuit screw clamp terminals 2 0.0020.004 in² (12.5 mm²)flexible with cable end Control circuit screw clamp terminals 1 0.0020.006 in² (14 mm²)solid without cable end Control circuit screw clamp terminals 2 0.0020.006 in² (14 mm²)solid without cable end Power circuit screw clamp terminals 2 0.0020.006 in² (14 mm²)solid without cable end Power circuit bar 2 30 x 5 mm Power circuit lugs-ring terminals 2 0.2 in² (150 mm²) Power circuit bolted connection
Tightening torque	Control circuit 10.6 lbf.in (1.2 N.m) Power circuit 309.8 lbf.in (35 N.m)
Mounting Support	Plate
Heat dissipation	14 W
Standards	EN 60947-1 IEC 60947-1 IEC 60947-4-1 EN 60947-4-1 JIS C8201-4-1
Product Certifications	UL RMRoS LROS (Lloyds register of shipping) CB CCC ABS BV RINA DNV
Compatibility code	LC1F
Control circuit type	AC 40400 Hz

Environment

IP degree of protection	IP20 front face with shrouds IEC 60529 IP20 front face with shrouds VDE 0106
Protective treatment	TH
Ambient Air Temperature for Operation	23131 °F (-555 °C)
Ambient Air Temperature for Storage	-76176 °F (-6080 °C)
Permissible ambient air temperature around the device	-40158 °F (-4070 °C)
Height	8.1 in (206 mm)
Width	8.4 in (213 mm)
Depth	8.6 in (219 mm)
Operating altitude	9842.52 ft (3000 m) without derating
Net Weight	17.6 lb(US) (8 kg)

Ordering and shipping details

Category	22336-CTR,F-LINE,AC,OPEN,NONREV
Discount Schedule	112

GTIN	3389118095144	
Returnability	No	
Country of origin	C7	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.4 in (24 cm)
Package 1 Width	9.8 in (25 cm)
Package 1 Length	12.2 in (31 cm)
Package 1 Weight	15.9 lb(US) (7.2 kg)

Contractual warranty

Warranty 18 months

Sustainability Green 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

Eu Rohs Directive	Compliant
	EU RoHS Declaration
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.
California Proposition 65	WARNING: Cancer - www.P65Warnings.ca.gov