

Product data sheet

Specifications



TeSys F contactor - 4P (4 NO) - AC-1 - <= 440 V 400 A - coil 120 V AC

LC1F3304G7

⚠ 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	4P
[Ue] rated operational voltage	<= 1000 V AC 50/60 Hz <= 460 V DC
[Uc] control circuit voltage	120 V AC 40...400 Hz
[Ie] rated operational current	400 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	400 A (at 104 °F (40 °C))
Rated breaking capacity	2640 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	2650 A 104 °F (40 °C) - 10 s 1800 A 104 °F (40 °C) - 30 s 1300 A 104 °F (40 °C) - 1 min 900 A 104 °F (40 °C) - 3 min 750 A 104 °F (40 °C) - 10 min
Associated fuse rating	400 A aM at <= 440 V 500 A gG at <= 440 V
Average impedance	0.28 mOhm - Ith 400 A 50 Hz
[Ui] rated insulation voltage	1000 V IEC 60947-4-1 1500 V VDE 0110 group C
Power dissipation per pole	44 W AC-1
Overvoltage category	III
power pole contact composition	4 NO
Control circuit voltage limits	Operational 0.85...1.1 Uc 40...400 Hz 131 °F (55 °C)) Drop-out 0.35...0.55 Uc 40...400 Hz 131 °F (55 °C))
Mechanical durability	10 Mcycles
Inrush power in VA	650 VA, 40...400 Hz 0.9 68 °F (20 °C))
Hold-in power consumption in VA	10 VA, 40...400 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	40...65 ms closing 100...170 ms opening
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 lugs-ring terminals 1 0.4 in² (240 mm²) Power circuit bar 2 30 x 5 mm 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	8 W
Standards	JIS C8201-4-1 IEC 60947-4-1 EN 60947-4-1 EN 60947-1 IEC 60947-1
Product Certifications	RMRoS ABS UL RINA CCC LROS (Lloyds register of shipping) DNV CB BV
Compatibility code	LC1F
Control circuit type	AC 40...400 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	23...131 °F (-5...55 °C)
Ambient Air Temperature for Storage	-76...176 °F (-60...80 °C)
Permissible ambient air temperature around the device	-40...158 °F (-40...70 °C)
Height	8.1 in (206 mm)
Width	10.3 in (261 mm)
Depth	8.6 in (219 mm)
Operating altitude	9842.52 ft (3000 m) without derating
Net Weight	20.9 lb(US) (9.5 kg)

Ordering and shipping details

Category	22336-CTR,F-LINE,AC,OPEN,NONREV
Discount Schedule	I12

GTIN	00785901681540
Returnability	No
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class 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.