Product data sheet

Specification





TeSys F contactor - 4P (4 NO) - AC-1 - <= 440 V 200 A - coil 24 V DC

LC1F1154BD

! Discontinued on: Jun 30, 2023

! Discontinued

Product availability: Non-Stock - Not 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	4P
[Ue] Rated Operational Voltage	<= 690 V AC 50/60 Hz <= 460 V DC
[Uc] Control Circuit Voltage	24 V DC
[le] Rated Operational Current	200 A (at <104 °F (40 °C)) at <= 440 V AC-1

Complementary

[Uimp] Rated Impulse Withstand Voltage	8 kV
[Ith] Conventional Free Air Thermal Current	200 A (at 104 °F (40 °C))
Rated Breaking Capacity	920 A conforming to IEC 60947-4-1
[Icw] Rated Short-Time Withstand Current	1100 A 104 °F (40 °C) - 10 s 640 A 104 °F (40 °C) - 30 s 520 A 104 °F (40 °C) - 1 min 400 A 104 °F (40 °C) - 3 min 320 A 104 °F (40 °C) - 10 min
Associated Fuse Rating	125 A aM at <= 440 V 200 A gG at <= 440 V
Average Impedance	0.37 mOhm - Ith 200 A 50 Hz
[Ui] Rated Insulation Voltage	1000 V IEC 60947-4-1 1500 V VDE 0110 group C
Power Dissipation Per Pole	15 W AC-1
Overvoltage Category	III
Power Pole Contact Composition	4 NO
Control Circuit Voltage Limits	Operational 0.851.1 Uc 131 °F (55 °C)) Drop-out 0.150.2 Uc 131 °F (55 °C))
Mechanical Durability	10 Mcycles
Inrush Power In W	560 W 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.

Hold-In Power Consumption In W	4.5 W 68 °F (20 °C)
Maximum Operating Rate	2400 cyc/h 131 °F (55 °C)
Operating Time	3040 ms closing 3050 ms opening
Connections - Terminals	Power circuit bar 2 20 x 3 mm Power circuit lugs-ring terminals 1 0.15 in² (95 mm²) Power circuit connector 1 0.15 in² (95 mm²) Control circuit screw clamp terminals 1 0.000.01 in² (14 mm²)flexible without cable end Control circuit screw clamp terminals 2 0.000.01 in² (14 mm²)flexible without cable end Control circuit screw clamp terminals 1 0.000.01 in² (14 mm²)flexible with cable end Control circuit screw clamp terminals 2 0.000.00 in² (12.5 mm²)flexible with cable end Control circuit screw clamp terminals 1 0.000.01 in² (14 mm²)solid without cable end Control circuit screw clamp terminals 2 0.000.01 in² (14 mm²)solid without cable end Control circuit screw clamp terminals 2 0.000.01 in² (14 mm²)solid without cable end Power circuit bolted connection
Tightening Torque	Power circuit 88.51 lbf.in (10 N.m) Control circuit 10.62 lbf.in (1.2 N.m)
Mounting Support	Plate
Heat Dissipation	4.5 W
Standards	IEC 60947-4-1 EN 60947-4-1 IEC 60947-1 JIS C8201-4-1 EN 60947-1
Product Certifications	CCC ABS RINA BV UL LROS (Lloyds register of shipping) CB RMRoS DNV UKCA
Compatibility Code	LC1F
Control Circuit Type Environment	DC standard
Ip Degree Of Protection	IP2X front face with shrouds IEC 60529 IP2X front face with shrouds VDE 0106
Protective Treatment	ТН
Ambient Air Temperature For Operation	-40140 °F (-4060 °C)
Ambient Air Temperature For Storage	-76176 °F (-6080 °C)
Permissible Ambient Air Temperature Around The Device	140158 °F (6070 °C) at Uc
Height	6.38 in (162 mm)
Width	7.89 in (200.5 mm)
Depth	6.73 in (171 mm)
Operating Altitude	9842.52 ft (3000 m) without derating

Ordering and shipping details

8.44 lb(US) (3.83 kg)

Net Weight

Category	US10I1222331
Discount Schedule	0112
Gtin	3389118093331
Returnability	No
Country Of Origin	US

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	8.66 in (22.0 cm)
Package 1 Width	8.46 in (21.5 cm)
Package 1 Length	10.43 in (26.5 cm)
Package 1 Weight	10.69 lb(US) (4.85 kg)

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

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