

# Product data sheet

Specifications



## TeSys F contactor - 4P (4 NO) - AC-1 - <= 440 V 200 A - coil 120 V AC

LC1F1154G7

⚠ Discontinued on: Jun 15, 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	120 V AC 40...400 Hz
[Ie] 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 0.85...1.1 Uc 40...400 Hz 131 °F (55 °C)) Drop-out 0.2...0.55 Uc 40...400 Hz 131 °F (55 °C))
Mechanical Durability	10 Mcycles
Inrush Power In Va	770 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.

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

Hold-In Power Consumption In Va	8.1 VA, 40...400 Hz 0.9 68 °F (20 °C))
Maximum Operating Rate	2400 cyc/h 131 °F (55 °C)
Operating Time	35 ms closing at Uc 130 ms opening at Uc)
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 0.00...0.01 in² (1...4 mm²)flexible without cable end Control circuit screw clamp terminals 2 0.00...0.01 in² (1...4 mm²)flexible without cable end Control circuit screw clamp terminals 1 0.00...0.01 in² (1...4 mm²)flexible with cable end Control circuit screw clamp terminals 2 0.00...0.00 in² (1...2.5 mm²)flexible with cable end Control circuit screw clamp terminals 1 0.00...0.01 in² (1...4 mm²)solid without cable end Control circuit screw clamp terminals 2 0.00...0.01 in² (1...4 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	5.9...7.2 W
Standards	JIS C8201-4-1 IEC 60947-1 EN 60947-4-1 EN 60947-1 IEC 60947-4-1
Product Certifications	CB CCC BV RMRoS RINA UL DNV LROS (Lloyds register of shipping) ABS UKCA
Compatibility Code	LC1F
Control Circuit Type	AC 40...400 Hz

## Environment

Ip Degree Of Protection	IP2X front face with shrouds IEC 60529 IP2X front face with shrouds VDE 0106
Protective Treatment	TH
Ambient Air Temperature For Operation	-40...140 °F (-40...60 °C)
Ambient Air Temperature For Storage	-76...176 °F (-60...80 °C)
Permissible Ambient Air Temperature Around The Device	140...158 °F (60...70 °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
Net Weight	8.44 lb(US) (3.83 kg)

## Ordering and shipping details

Category	US10I1222336
Discount Schedule	0I12
Gtin	3389118093393
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	10.63 lb(US) (4.82 kg)

## Contractual warranty

Warranty	18 months
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Sustainability



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

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Transparency   RoHS/REACH

Well-being performance

 Mercury Free

 RoHS Exemption Information   [Yes](#)

Certifications & Standards

Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	<a href="#">End of Life Information</a>
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 <a href="#">www.P65Warnings.ca.gov</a>