Product data sheet

Specifications

contactor, TeSys F, 3P(3NO), AC-1, <=1000V 1700A, coil 230V AC

LC1F1700P7

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 10,000.00 USD

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	3P
[Ue] Rated Operational Voltage	<= 1000 V AC 50/60 Hz <= 460 V DC
[Uc] Control Circuit Voltage	230 V AC 40...400 Hz
[Ie] Rated Operational Current	1700 A (at <104 °F (40 °C)) AC AC-1

Complementary

[Uimp] Rated Impulse Withstand Voltage	8 kV
[Ith] Conventional Free Air Thermal Current	1700 A (at 104 °F (40 °C))
Rated Breaking Capacity	2550 A conforming to IEC 60947-4-1
[Icw] Rated Short-Time Withstand Current	10000 A 104 °F (40 °C) - 10 s 7500 A 104 °F (40 °C) - 30 s 5500 A 104 °F (40 °C) - 1 min 4200 A 104 °F (40 °C) - 3 min 3000 A 104 °F (40 °C) - 10 min
Associated Fuse Rating	1600 A gG at <= 440 V
Average Impedance	0.1 mOhm - Ith 1700 A 50 Hz
[Ui] Rated Insulation Voltage	1000 V IEC 60947-4-1 1500 V VDE 0110 group C 1000 V UL 60947-4-1
Power Dissipation Per Pole	200 W AC-1
Overvoltage Category	III
Power Pole Contact Composition	3 NO
Control Circuit Voltage Limits	Operational 0.85...1.1 Uc 40...400 Hz 131 °F (55 °C)) Drop-out 0.3...0.5 Uc 40...400 Hz 131 °F (55 °C))
Inrush Power In Va	2200 VA, 40...400 Hz 0.9 68 °F (20 °C))
Hold-In Power Consumption In Va	36 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

Maximum Operating Rate	600 cyc/h 131 °F (55 °C)
Operating Time	100...170 ms opening 40...75 ms closing
Connections - Terminals	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 bar 3 100 x 5 mm Power circuit bolted connection
Tightening Torque	Control circuit 10.62 lbf.in (1.2 N.m) Power circuit 513.34 lbf.in (58 N.m)
Mounting Support	Plate
Heat Dissipation	36 W
Standards	JIS C8201-4-1 IEC 60947-4-1 EN 60947-1 EN 60947-4-1 IEC 60947-1 UL 60947-4-1 CSA C22.2 No 60947-4-1
Product Certifications	UL CSA CCC CB Scheme EAC UKCA
Compatibility Code	LC1F
Control Circuit Type	AC 40...400 Hz

Environment

Protective Treatment	TH
Ambient Air Temperature For Operation	23…104 °F (-5…40 °C)
Ambient Air Temperature For Storage	-76…176 °F (-60…80 °C)
Permissible Ambient Air Temperature Around The Device	-40…140 °F (-40…60 °C)
Height	13.07 in (332 mm)
Width	17.24 in (438 mm)
Depth	9.39 in (238.6 mm)
Operating Altitude	9842.52 ft (3000 m) without derating
Net Weight	66.14 lb(US) (30 kg)

Ordering and shipping details

Category	US10I1222336
Discount Schedule	0I12
Gtin	3389118372863
Returnability	No
Country Of Origin	CN

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	15.55 in (39.5 cm)
Package 1 Width	19.69 in (50.0 cm)
Package 1 Length	24.41 in (62.0 cm)
Package 1 Weight	66.14 lb(US) (30.0 kg)

Contractual warranty

Warranty	18 months

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-CO_2 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
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