Product data sheet

Specification





TeSys F contactor - 3P (3 NO) - AC-3 - <= 440 V 115 A - coil 220 V AC

LC1F115M7

! Discontinued on: Jun 15, 2023

! Discontinued

Product availability: Stock - 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 Motor control
Utilisation Category	AC-3 AC-1 AC-4
Poles Description	3P
[Ue] Rated Operational Voltage	<= 690 V AC 50/60 Hz <= 460 V DC
[Uc] Control Circuit Voltage	220 V AC 40400 Hz
[le] Rated Operational Current	200 A (at <104 °F (40 °C)) at <= 440 V AC-1 115 A (at <131 °F (55 °C)) at <= 440 V AC-3

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 5 W AC-3
Overvoltage Category	III
Power Pole Contact Composition	3 NO

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

S9 NW at 41 SV AC 5000 Hz (AC-3)		
S6 N/W at 1430 V AC 50/60 Nz (AC-3) 75 N/W at 500 V AC 50/60 Nz (AC-3) 80 N/W at 262269 V AC 50/60 Nz (AC-3) 80 N/W at 400 V AC 50/60 Nz (AC-3) 80 N/W at 400 V AC 50/60 Nz (AC-3) 80 Nz 4 200 V AC 50/60 Nz (AC-3) 80 Nz 4 200 V AC 50/60 Nz (AC-3) 80 Nz 4 200 V AC 50/60 Nz (AC-3) 80 Nz 4 400 V AC 50/60 Nz (AC-3) 80 Nz 4 400 V AC 50/60 Nz (AC-3) 80 Nz 4 400 V AC 50/60 Nz (AC-3) 80 Nz 4 400 V AC 50/60 Nz (AC-3) 80 Nz 4 400 V AC 50/60 Nz (AC-3) 80 Nz 4 400 V AC 50/60 Nz (AC-3) 80 Nz 4 400 V AC 50/60 Nz (AC-3) 80 Nz 4 400 V AC 50/60 Nz (AC-3) 80 Nz 4 400 V AC 50/60 Nz (AC-3) 80 Nz 4 400 V AC 50/60 Nz (AC-3) 80 Nz 4 400 V AC 50/60 Nz (AC-3) 80 Nz 4 400 V AC 50/60 Nz (AC-3) 80 Nz 4 400 V AC 50/60 Nz (AC-3) 80 Nz 4 400 V AC 50/60 Nz (AC-3) 80 Nz 4 400 V AC 50/60 Nz (AC-3) 80 Nz 4 400 V AC 50/60 Nz (AC-3) 80 Nz 4 400 V AC 50/60 Nz (AC-3) 81 Nz 4 400 V AC 50/60 Nz (AC-4) 81 Nz 4 400 V AC 50/60 Nz (AC-4) 81 Nz 4 400 V AC 50/60 Nz (AC-4) 81 Nz 4 400 V AC 50/60 Nz (AC-4) 81 Nz 4 400 V AC 50/60 Nz (AC-4) 82 Nz 4 400 V AC 50/60 Nz (AC-4) 82 Nz 4 400 V AC 50/60 Nz (AC-4) 82 Nz 4 400 V AC 50/60 Nz (AC-4) 82 Nz 4 400 V AC 50/60 Nz (AC-4) 82 Nz 4 400 V AC 50/60 Nz (AC-4) 82 Nz 4 400 V AC 50/60 Nz (AC-4) 83 Nz 4 400 V AC 50/60 Nz (AC-4) 83 Nz 4 400 V AC 50/60 Nz (AC-4) 84 Nz 4 400 V AC 50/60 Nz (AC-4) 84 Nz 4 400 V AC 50/60 Nz (AC-4) 85 Nz 4 400 V AC 50/60 Nz (AC-4) 85 Nz 4 400 V AC 50/60 Nz (AC-4) 85 Nz 4 400 V AC 50/60 Nz (AC-4) 85 Nz 4 400 V AC 50/60 Nz (AC-4) 85 Nz 4 400 V AC 50/60 Nz (AC-4) 85 Nz 4 400 V AC 50/60 Nz (AC-4) 85 Nz 4 400 V AC 50/60 Nz (AC-4) 85 Nz 4 400 V AC 500 Nz (AC-4) 85 Nz 4 400 V AC 500 Nz (AC-4) 85 Nz 4 400 Nz (AC-4) 85 N	Motor Power Kw	55 kW at 380400 V AC 50/60 Hz (AC-3)
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EN 60947-4-1 EN 60947-1 JIS C8201-4-1 Product Certifications RINA BV RMROS CB LROS (Lloyds register of shipping) DNV UL CCC ABS UKCA Compatibility Code LC1F Control Circuit Type AC 40400 Hz Environment p 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 Ambient Air Temperature For -76176 °F (-6080 °C)	Standards	IEC 60947-4-1
EN 60947-1 JIS C8201-4-1 Product Certifications RINA BV RMROS CB LROS (Lloyds register of shipping) DNV UL CCC ABS UKCA Compatibility Code LC1F Control Circuit Type AC 40400 Hz Environment P Degree Of Protection IP2X front face with shrouds IEC 60529 IP2X front face with shrouds VDE 0106 Protective Treatment TH Ambient Air Temperature For Jeptation Ambient Air Temperature For Jeptation -76176 °F (-6080 °C)		IEC 60947-1
Product Certifications RINA BV RMRoS CB LROS (Lloyds register of shipping) DNV UL CCC ABS UKCA Compatibility Code LC1F Control Circuit Type AC 40400 Hz Environment p 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		EN 60947-4-1
Product Certifications RINA BV RMRoS CB LROS (Lloyds register of shipping) DNV UL CCC ABS UKCA Compatibility Code LC1F Control Circuit Type AC 40400 Hz Environment p 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 Ambient Air Temperature For -76176 °F (-4060 °C) Ambient Air Temperature For -76176 °F (-6080 °C)		
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DNV UL CCC ABS UKCA Compatibility Code LC1F Control Circuit Type AC 40400 Hz Environment p 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 Ambient Air Temperature For -40140 °F (-4060 °C) Ambient Air Temperature For -76176 °F (-6080 °C)		
UL CCC ABS UKCA Compatibility Code LC1F Control Circuit Type AC 40400 Hz Environment p 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 Ambient Air Temperature For -40140 °F (-4060 °C) Ambient Air Temperature For -76176 °F (-6080 °C)		
CCC ABS UKCA Compatibility Code LC1F Control Circuit Type AC 40400 Hz Environment P 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 Ambient Air Temperature For -76176 °F (-4060 °C) Ambient Air Temperature For -76176 °F (-6080 °C)		
UKCA Compatibility Code LC1F Control Circuit Type AC 40400 Hz Environment p 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 Ambient Air Temperature For -76176 °F (-6080 °C)		
Compatibility Code LC1F Control Circuit Type AC 40400 Hz Environment p 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 Ambient Air Temperature For -76176 °F (-6080 °C)		
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Environment p 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 -40140 °F (-4060 °C) Ambient Air Temperature For -76176 °F (-6080 °C)	Compatibility Code	LC1F
P Degree Of Protection IP2X front face with shrouds IEC 60529 IP2X front face with shrouds VDE 0106 Protective Treatment TH Ambient Air Temperature For Departion Ambient Air Temperature For -76176 °F (-6080 °C)	Control Circuit Type	AC 40400 Hz
P Degree Of Protection IP2X front face with shrouds IEC 60529 IP2X front face with shrouds VDE 0106 Protective Treatment TH Ambient Air Temperature For Departion Ambient Air Temperature For -76176 °F (-6080 °C)		
IP2X front face with shrouds VDE 0106 Protective Treatment TH -40140 °F (-4060 °C) Ambient Air Temperature For -76176 °F (-6080 °C)	Environment	
IP2X front face with shrouds VDE 0106 Protective Treatment TH -40140 °F (-4060 °C) Ambient Air Temperature For -76176 °F (-6080 °C)	n Degree Of Protection	IP2X front face with shrouds IEC 60529
Ambient Air Temperature For -40140 °F (-4060 °C) Operation Ambient Air Temperature For -76176 °F (-6080 °C)	p begree or Frotection	
Operation Ambient Air Temperature For -76176 °F (-6080 °C)	Protective Treatment	TH
Ambient Air Temperature For -76176 °F (-6080 °C)	Ambient Air Temperature For	-40140 °F (-4060 °C)
	•	70, 470 %F / 00, 00 %O)
	Ambient Air Temperature For Storage	-/o1/o °F (-6080 °C)

Permissible Ambient Air Temperature Around The Device	140158 °F (6070 °C) at Uc
Height	6.38 in (162 mm)
Width	6.43 in (163.3 mm)
Depth	6.73 in (171 mm)
Operating Altitude	9842.52 ft (3000 m) without derating
Net Weight	7.56 lb(US) (3.43 kg)

Ordering and shipping details

Category	US10I1222336
Discount Schedule	0112
Gtin	3389110350876
Returnability	No
Country Of Origin	CZ

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	7.28 in (18.500 cm)
Package 1 Width	7.87 in (20.000 cm)
Package 1 Length	8.86 in (22.500 cm)
Package 1 Weight	8.74 lb(US) (3.964 kg)
Unit Type Of Package 2	P06
Number Of Units In Package 2	18
Package 2 Height	29.53 in (75.000 cm)
Package 2 Width	23.62 in (60.000 cm)
Package 2 Length	31.50 in (80.000 cm)
Package 2 Weight	180.67 lb(US) (81.952 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