Product datasheet

Specifications





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

LC1F115M6

- () Discontinued on: 31-Dec-2020
- (!) End-of-service on: 18-Oct-2021

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-1 AC-3 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 60 Hz
[le] Rated Operational Current	200 A (at <40 °C) at <= 440 V AC-1 115 A (at <55 °C) at <= 440 V AC-3

Complementary

[Uimp] Rated Impulse Withstand Voltage	8 kV
[Ith] Conventional Free Air Thermal Current	200 A (at 40 °C)
Rated Breaking Capacity	920 A conforming to IEC 60947-4-1
[Icw] Rated Short-Time Withstand Current	1100 A 40 °C - 10 s 640 A 40 °C - 30 s 520 A 40 °C - 1 min 400 A 40 °C - 3 min 320 A 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 conforming to IEC 60947-4-1 1500 V conforming to 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

Motor Power Kw	55 kW at 380400 V AC 50/60 Hz (AC-3) 59 kW at 415 V AC 50/60 Hz (AC-3) 59 kW at 440 V AC 50/60 Hz (AC-3)
	59 kW at 440 V AC 50/60 Hz (AC-3) 75 kW at 500 V AC 50/60 Hz (AC-3)
	80 kW at 660690 V AC 50/60 Hz (AC-3)
	30 kW at 220230 V AC 50/60 Hz (AC-3)
	18.5 kW at 400 V AC 50/60 Hz (AC-4)
Control Circuit Voltage Limits	Operational: 0.851.1 Uc 50/60 Hz (at 55 °C) Drop-out: 0.350.55 Uc 50/60 Hz (at 55 °C)
Mechanical Durability	10 Mcycles
Inrush Power In Va	660 VA, 60 Hz cos phi 0.3 (at 20 °C)
Hold-In Power Consumption In Va	55 VA, 60 Hz cos phi 0.3 (at 20 °C)
Maximum Operating Rate	2400 cyc/h 55 °C
Operating Time	2335 ms closing 515 ms opening
Connections - Terminals	Power circuit: bar 2 cable(s) - busbar cross section: 20 x 3 mm
	Power circuit: lugs-ring terminals 1 cable(s) 95 mm ²
	Power circuit: connector 1 cable(s) 95 mm ²
	Control circuit: screw clamp terminals 1 cable(s) 14 mm ² flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 14 mm ² flexible without cable end
	Control circuit: screw clamp terminals 1 cable(s) 14 mm²flexible with cable end
	Control circuit: screw clamp terminals 2 cable(s) 12.5 mm²flexible with cable end
	Control circuit: screw clamp terminals 1 cable(s) 14 mm ² solid without cable end
	Control circuit: screw clamp terminals 2 cable(s) 14 mm ² solid without cable end Power circuit: bolted connection
Tightening Torque	Power circuit: 10 N.m Control circuit: 1.2 N.m
Mounting Support	Plate
Heat Dissipation	1216 W
Standards	IEC 60947-4-1
	EN 60947-4-1
	EN 60947-1 JIS C8201-4-1
	IEC 60947-1
Product Certifications	BV
	RMRoS
	CB
	DNV CCC
	LROS (Lloyds register of shipping)
	ABS
	RINA
	UL
Compatibility Code	LC1F
Control Circuit Type	AC at 60 Hz
Environment	
Ip Degree Of Protection	IP2X front face with shrouds conforming to IEC 60529 IP2X front face with shrouds conforming to VDE 0106
Protective Treatment	тн
Ambient Air Temperature For Operation	-4060 °C
Ambient Air Temperature For Storage	-6080 °C
Permissible Ambient Air Temperature Around The Device	6070 °C at Uc
Height	162 mm
Width	163.3 mm

Depth

2

171 mm

Operating Altitude	3000 m without derating
Net Weight	3.43 kg
Packing Units	
Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	20.32 cm
Package 1 Width	22.86 cm
Package 1 Length	19.05 cm
Package 1 Weight	4 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.

Yes

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Mercury Free

Rohs Exemption Information

Certifications & Standards

Reach Regulation	REACh Declaration
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
Circularity Profile	End of Life Information