



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

LC1F115M6

! Discontinued on: 3 Aug 2021

(!) Discontinued

EAN Code: 3389110226577

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	1100 A 40 °C - 10 s
Current	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)	
	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 Cinevit Vellage Limite	· ,	
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 mm² Power circuit: connector 1 cable(s) 95 mm² Control circuit: screw clamp terminals 1 cable(s) 14 mm²flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 14 mm²flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm²flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 125 mm²flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm²solid without cable end Control circuit: screw clamp terminals 2 cable(s) 14 mm²solid 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	
Hoight	162	

162 mm

163.3 mm

171 mm

Height

Width

Depth

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	
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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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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 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