Product datasheet

Specifications





TeSys F contactor - 4P (4 NO) -AC-1 - <= 440 V 1000 A - coil 220 V AC

LC1F6304M7

() Discontinued on: 31 Dec 2023

(!) To be discontinued

Main

Range	TeSys
	10030
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	<= 1000 V AC 50/60 Hz <= 460 V DC
[Uc] Control Circuit Voltage	220 V AC 40400 Hz
[le] Rated Operational Current	1000 A (at <40 °C) at <= 440 V AC AC-1

Complementary

[Uimp] Rated Impulse Withstand Voltage	8 kV
[Ith] Conventional Free Air	1000 A (at 40 °C)
Thermal Current	1250 A
Rated Breaking Capacity	5040 A conforming to IEC 60947-4-1
[Icw] Rated Short-Time Withstand	5050 A 40 °C - 10 s
Current	4400 A 40 °C - 30 s
	3400 A 40 °C - 1 min
	2200 A 40 °C - 3 min
	1600 A 40 °C - 10 min
Associated Fuse Rating	1000 A gG at <= 440 V
	630 A aM at <= 440 V
Average Impedance	0.12 mOhm - Ith 1000 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	120 W AC-1
Overvoltage Category	111
Power Pole Contact Composition	4 NO
Control Circuit Voltage Limits	Operational: 0.851.1 Uc 40400 Hz (at 55 °C)
	Drop-out: 0.250.5 Uc 40400 Hz (at 55 °C)
Mechanical Durability	5 Mcycles
Inrush Power In Va	1650 VA, 40400 Hz cos phi 0.9 (at 20 °C)

Hold-In Power Consumption In Va	22 VA, 40400 Hz cos phi 0.9 (at 20 °C)
Maximum Operating Rate	1200 cyc/h 55 °C
Operating Time	4080 ms closing 100200 ms opening
Connections - Terminals	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) 12.5 mm²flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm²flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 14 mm²solid without cable end Control circuit: screw clamp terminals 2 cable(s) 14 mm²solid without cable end Power circuit: screw clamp terminals 2 cable(s) 14 mm²solid without cable end Power circuit: bar 2 cable(s) - busbar cross section: 60 x 5 mm Power circuit: bolted connection
Tightening Torque	Control circuit: 1.2 N.m Power circuit: 58 N.m
Mounting Support	Plate
Heat Dissipation	20 W
Standards	EN 60947-1 JIS C8201-4-1 EN 60947-4-1 IEC 60947-4-1 IEC 60947-1
Product Certifications	DNV CB LROS (Lloyds register of shipping) RMRoS UL RINA BV CCC ABS UKCA
Compatibility Code	LC1F
Control Circuit Type	AC at 40400 Hz

Environment

Ip Degree Of Protection	IP20 front face with shrouds conforming to IEC 60529 IP20 front face with shrouds conforming to VDE 0106
Protective Treatment	тн
Ambient Air Temperature For Operation	-555 °C
Ambient Air Temperature For Storage	-6080 °C
Permissible Ambient Air Temperature Around The Device	-4070 °C
Height	304 mm
Width	389 mm
Depth	255 mm
Operating Altitude	3000 m without derating
Net Weight	21.5 kg

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	29.000 cm
Package 1 Width	34.000 cm

Package 1 Length	43.000 cm
Package 1 Weight	21.600 kg
Unit Type Of Package 2	P06
Number Of Units In Package 2	4
Package 2 Height	77.000 cm
Package 2 Width	80.000 cm
Package 2 Length	60.000 cm
Package 2 Weight	98.900 kg

Contractual warranty

Warranty

12 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

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