Product datasheet





TeSys F contactor - 4P (4 NO) -AC-1 - <= 440 V 200 A - coil 230 V AC

Local distributor code: 402839772

LC1F1154P7

Discontinued on: 11 Jan 2023

(!) Discontinued

EAN Code: 3389118093430

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	4P
[Ue] Rated Operational Voltage	<= 690 V AC 50/60 Hz <= 460 V DC
[Uc] Control Circuit Voltage	230 V AC 40400 Hz
[le] Rated Operational Current	200 A (at <40 °C) at <= 440 V AC-1

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
Overvoltage Category	III
Power Pole Contact Composition	4 NO
Control Circuit Voltage Limits	Operational: 0.851.1 Uc 40400 Hz (at 55 °C) Drop-out: 0.20.55 Uc 40400 Hz (at 55 °C)
Mechanical Durability	10 Mcycles
Inrush Power In Va	770 VA, 40400 Hz cos phi 0.9 (at 20 °C)
Hold-In Power Consumption In Va	8.1 VA, 40400 Hz cos phi 0.9 (at 20 °C)

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Maximum Operating Rate	2400 cyc/h 55 °C
Operating Time	35 ms closing (at Uc)
	130 ms opening (at Uc)
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 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) 12.5 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	5.97.2 W
Standards	IEC 60947-4-1
	EN 60947-4-1
	EN 60947-1
	IEC 60947-1
	JIS C8201-4-1
Product Certifications	CCC
	LROS (Lloyds register of shipping)
	DNV
	RMRoS
	ABS
	RINA
	BV
	UL
	СВ
	UKCA
Compatibility Code	LC1F
Control Circuit Type	AC at 40400 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	200.5 mm
Depth	171 mm
Operating Altitude	3000 m without derating
Net Weight	3.83 kg

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	22.0 cm
Package 1 Width	21.5 cm

Package 1 Length	26.5 cm
Package 1 Weight	4.82 kg

Contractual warranty

Warranty 18 months

Sustainability Green Premium

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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 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