

LC1F330D7

TeSys F contactor - 3P (3 NO) - AC-3 - ≤ 440 V
330 A - coil 42 V AC



LC1F330D7 has not been replaced. Please contact your customer care center for more information.

ⓘ Discontinued

Main

Range	TeSys
Product name	TeSys F
Product or component type	Contactor
Device short name	LC1F
Contactor application	Motor control Resistive load
Utilisation category	AC-1 AC-3
Poles description	3P
Power pole contact composition	3 NO
[Ue] rated operational voltage	≤ 1000 V AC 50/60 Hz ≤ 460 V DC
[Ie] rated operational current	400 A (≤ 40 °C) at ≤ 440 V AC AC-1 330 A (≤ 55 °C) at ≤ 440 V AC AC-3
Motor power kW	160 kW at 380...400 V AC 50/60 Hz AC-3 200 kW at 500 V AC 50/60 Hz AC-3 180 kW at 415 V AC 50/60 Hz AC-3 200 kW at 440 V AC 50/60 Hz AC-3 160 kW at 1000 V AC 50/60 Hz AC-3 100 kW at 220...230 V AC 50/60 Hz AC-3 59 kW at 400 V AC 50/60 Hz AC-4 220 kW at 660...690 V AC 50/60 Hz AC-3
[Uc] control circuit voltage	42 V AC 40...400 Hz

Complementary


[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	400 A at ≤ 40 °C
Rated breaking capacity	2640 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	2650 A ≤ 40 °C 10 s 1800 A ≤ 40 °C 30 s 1300 A ≤ 40 °C 1 min 900 A ≤ 40 °C 3 min 750 A ≤ 40 °C 10 min
Associated fuse rating	400 A aM at ≤ 440 V 500 A gG at ≤ 440 V

Average impedance	0.28 mOhm at 50 Hz - Ith 400 A
[Ui] rated insulation voltage	1000 V conforming to IEC 60947-4-1 1500 V conforming to VDE 0110 group C
Power dissipation per pole	31 W AC-3 44 W AC-1
Mounting support	Plate
Standards	IEC 60947-1 IEC 60947-4-1 EN 60947-4-1 EN 60947-1 JIS C8201-4-1
Product certifications	CCC RINA CB DNV RMRoS UL BV LROS (Lloyds register of shipping) ABS
Connections - terminals	Control circuit : screw clamp terminals 2 cable(s) 1...2.5 mm ² - cable stiffness: flexible - with cable end Control circuit : screw clamp terminals 1 cable(s) 1...4 mm ² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 2 cable(s) 1...4 mm ² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 1...4 mm ² - cable stiffness: flexible - with cable end Control circuit : screw clamp terminals 1 cable(s) 1...4 mm ² - cable stiffness: solid - without cable end Control circuit : screw clamp terminals 2 cable(s) 1...4 mm ² - cable stiffness: solid - without cable end Power circuit : lugs-ring terminals 1 cable(s) 240 mm ² Power circuit : bar 2 x (30 x 5 mm)
Tightening torque	Power circuit : 35 N.m Control circuit : 1.2 N.m
Control circuit voltage limits	0.85...1.1 U _c at 55 °C operational 40...400 Hz 0.35...0.55 U _c at 55 °C drop-out 40...400 Hz
Inrush power in VA	650 VA at 20 °C (cos φ 0.9) 40...400 Hz
Hold-in power consumption in VA	10 VA at 20 °C (cos φ 0.9) 40...400 Hz
Heat dissipation	8 W
Operating time	100...170 ms opening 40...65 ms closing
Mechanical durability	10 Mcycles
Operating rate	2400 cyc/h at ≤ 55 °C

Environment

IP degree of protection	IP20 front face with shrouds (ordered separately) conforming to IEC 60529 IP20 front face with shrouds (ordered separately) conforming to VDE 0106
Protective treatment	TH
Ambient air temperature for operation	-5...55 °C
Ambient air temperature for storage	-60...80 °C
Permissible ambient air temperature around the device	-40...70 °C
Operating altitude	3000 m without derating
Height	206 mm
Width	213 mm
Depth	219 mm
Product weight	8.6 kg

Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0843 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity
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Contractual warranty

Warranty period	18 months
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