LC1F400Q7

TeSys F contactor - 3P (3 NO) - AC-3 - <= 440 V 400 A - coil 380 V AC





Main

Range	TeSys
Product name	TeSys F
Product or component type	Contactor
Device short name	LC1F
Contactor application	Resistive load Motor control
Utilisation category	AC-4 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
[le] rated operational current	500 A (at <40 °C) at <= 440 V AC AC-1 400 A (at <55 °C) at <= 440 V AC AC-3
Motor power kW	75 KW at 400 V AC 50/60 Hz (AC-4) 200 KW at 380400 V AC 50/60 Hz (AC-3) 220 KW at 415 V AC 50/60 Hz (AC-3) 250 KW at 440 V AC 50/60 Hz (AC-3) 257 KW at 500 V AC 50/60 Hz (AC-3) 280 KW at 660690 V AC 50/60 Hz (AC-3) 185 KW at 1000 V AC 50/60 Hz (AC-3) 110 kW at 220230 V AC 50/60 Hz (AC-3)
[Uc] control circuit voltage	380 V AC 40400 Hz

Complementary

Complementary		
[Uimp] rated impulse withstand voltage	8 kV	
Overvoltage category	III	
[Ith] conventional free air thermal current	500 A (at 40 °C)	
Rated breaking capacity	3200 A conforming to IEC 60947-4-1	
[lcw] rated short-time withstand current	3600 A 40 °C - 10 s 2400 A 40 °C - 30 s 1700 A 40 °C - 1 min 1200 A 40 °C - 3 min 1000 A 40 °C - 10 min	
Associated fuse rating	400 A aM at <= 440 V 500 A gG at <= 440 V	
Average impedance	0.26 mOhm - Ith 500 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	65 W AC-1 42 W AC-3	
Mounting support	Plate	
Standards	IEC 60947-4-1 EN 60947-1 EN 60947-4-1 IEC 60947-1 JIS C8201-4-1	

Product certifications	LDOC (Havele register of chiralian)
Product certifications	LROS (Lloyds register of shipping) CCC
	RINA
	ABS
	BV
	CB
	DNV
	UL
	RMRoS
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 mm²solid without cable end
	Control circuit: screw clamp terminals 2 cable(s) 14 mm²solid without cable end
	Power circuit: bar 2 cable(s) - busbar cross section: 30 x 5 mm
	Power circuit: lugs-ring terminals 2 cable(s) 150 mm²
	Power circuit: bolted connection
Tightening torque	Control circuit: 1.2 N.m
	Power circuit: 35 N.m
Control circuit voltage limits	Operational: 0.851.1 Uc 40400 Hz (at 55 °C)
	Drop-out: 0.30.5 Uc 40400 Hz (at 55 °C)
Inrush power in VA	1075 VA 40400 Hz cos phi 0.9 (at 20 °C)
Hold-in power consumption in VA	15 VA 40400 Hz cos phi 0.9 (at 20 °C)
Heat dissipation	14 W
Operating time	4065 ms closing
	100170 ms opening
Mechanical durability	10 Mcycles
Maximum operating rate	2400 cyc/h 55 °C
Compatibility code	LC1F

Environment

IP20 front face with shrouds conforming to IEC 60529 IP20 front face with shrouds conforming to VDE 0106
TH
-555 °C
-6080 °C
-4070 °C
206 mm
213 mm
219 mm
9.1 kg

Packing Units

Package 1 Weight	9.260 kg	
Package 1 Height	2.500 dm	
Package 1 width	2.400 dm	
Package 1 Length	2.900 dm	

Offer Sustainability

Sustainable offer status	Green Premium product	
REACh Regulation	☑ REACh Declaration	
EU RoHS Directive	Compliant EEU RoHS Declaration	
Mercury free	Yes	
RoHS exemption information	₫Yes	
China RoHS Regulation	☑ China RoHS Declaration	
Environmental Disclosure	☑ Product Environmental Profile	

Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Contractual warranty	
Warranty	18 months