

LC1F630

TeSys F contactor - 3P(3 NO) - AC-3 - <= 440 V 630 A - without coil



Main

Range	TeSys
Product name	TeSys F
Product or component type	Contacteur
Device short name	LC1F
Contacteur application	Motor control Resistive load
Utilisation category	AC-1 AC-3 AC-4
Poles description	3P
Pole contact composition	3 NO
[Ue] rated operational voltage	<= 1000 V AC 50/60 Hz <= 460 V DC
[Ie] rated operational current	1000 A (<= 40 °C) at <= 440 V AC AC-1 630 A (<= 55 °C) at <= 440 V AC AC-3
Motor power kW	335 kW at 380...400 V AC 50/60 Hz AC-3 375 kW at 415 V AC 50/60 Hz AC-3 400 kW at 440 V AC 50/60 Hz AC-3 400 kW at 500 V AC 50/60 Hz AC-3 450 kW at 1000 V AC 50/60 Hz AC-3 100 kW at 400 V AC 50/60 Hz AC-4 200 kW at 220...240 V AC 50/60 Hz AC-3 450 kW at 660...690 V AC 50/60 Hz AC-3

Complementary

[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	1000 A at <= 40 °C 1250 A
Irms rated making capacity	6300 A AC conforming to IEC 60947-4-1
Rated breaking capacity	5040 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	5050 A <= 40 °C 10 s 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	630 A aM at <= 440 V 1000 A gG at <= 440 V
Average impedance	0.12 mOhm at 50 Hz - Ith 1000 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	120 W AC-1 48 W AC-3
Mounting support	Plate
Standards	EN 60947-1 EN 60947-4-1 IEC 60947-1 IEC 60947-4-1 JIS C8201-4-1
Product certifications	ABS BV CSA DNV LROS (Lloyds register of shipping)

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RINA
RMRoS
UL
CB

Connections - terminals	Power circuit : bolted connection Power circuit : bar 2 x (60 x 5 mm)
Tightening torque	Power circuit : 58 N.m

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
mechanical robustness	Vibrations resistance contactor open 2 Gn, 5...300 Hz Shocks resistance contactor closed 15 Gn for 11 ms Shocks resistance contactor open 6 Gn for 11 ms Vibrations resistance contactor closed 4 Gn, 5...300 Hz
height	255 mm
width	309 mm
depth	304 mm
product weight	15.5 kg

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0843 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available