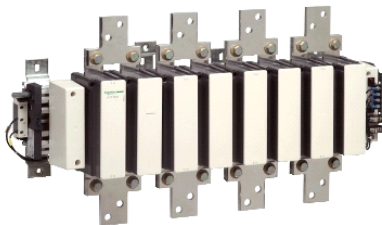


LC1F7804M7

TeSys F contactor - 4P (4 NO) - AC-1 - <= 440 V
1600 A - coil 220 V AC



Main

Range	TeSys
Product name	TeSys F
Product or component type	Contacteur
Device short name	LC1F
Contacteur application	Resistive load
Utilisation category	AC-1
Poles description	4P
Pole contact composition	4 NO
[Ue] rated operational voltage	<= 1000 V AC 50/60 Hz <= 460 V DC
[Ie] rated operational current	1600 A (<= 40 °C) at <= 440 V AC AC-1
[Uc] control circuit voltage	220 V AC 40...400 Hz

Complementary

[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	1600 A at <= 40 °C
Rated breaking capacity	6240 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	6250 A <= 40 °C 10 s 5600 A <= 40 °C 30 s 4600 A <= 40 °C 1 min 3000 A <= 40 °C 3 min 2200 A <= 40 °C 10 min
Associated fuse rating	800 A aM at <= 440 V 1600 A gG at <= 440 V
Average impedance	0.1 mOhm at 50 Hz - Ith 1600 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	250 W AC-1
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 CCC DNV LROS (Lloyds register of shipping) RINA RMRoS UL CB
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

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Control circuit : screw clamp terminals 2 cable(s) 1...4 mm² - cable stiffness: solid - without cable end
 Power circuit : bolted connection
 Power circuit : bar 2 x (100 x 5 mm)

Tightening torque	Control circuit : 1.2 N.m Power circuit : 58 N.m
Control circuit voltage limits	0.85...1.1 Uc at 55 °C operational 40...400 Hz 0.2...0.4 Uc at 55 °C drop-out 40...400 Hz
Inrush power in VA	2100 VA at 20 °C (cos ϕ 0.9) 40...400 Hz
Hold-in power consumption in VA	50 VA at 20 °C (cos ϕ 0.9) 40...400 Hz
Heat dissipation	44 W
Operating time	130...230 ms opening 40...80 ms closing
Mechanical durability	5 Mcycles
Operating rate	600 cyc/h at \leq 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
mechanical robustness	Shocks resistance contactor closed 15 Gn for 11 ms Vibrations resistance contactor open 2.5 Gn, 5...300 Hz Vibrations resistance contactor closed 5.5 Gn, 5...300 Hz Shocks resistance contactor open 5 Gn for 11 ms
height	434 mm
width	862 mm
depth	255 mm
product weight	48 kg

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0852 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available