

LC1F1854

TeSys F contactor - 4P(4 NO) - AC-1 - ≤ 440 V 275 A - without coil



Main

Range	TeSys
Product name	TeSys F
Product or component type	Contactor
Device short name	LC1F
Contactor application	Resistive load
Utilisation category	AC-1
Poles description	4P
Pole contact composition	4 NO
[Ue] rated operational voltage	≤ 690 V AC 50/60 Hz
[Ie] rated operational current	275 A (≤ 40 °C) at ≤ 440 V AC-1

Complementary

[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	275 A at ≤ 40 °C
Irms rated making capacity	1850 A conforming to IEC 60947-4-1
Rated breaking capacity	1480 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	1500 A ≤ 40 °C 10 s 920 A ≤ 40 °C 30 s 740 A ≤ 40 °C 1 min 500 A ≤ 40 °C 3 min 400 A ≤ 40 °C 10 min
Associated fuse rating	315 A gG at ≤ 440 V 315 A gG at ≤ 440 V
Average impedance	0.33 mOhm at 50 Hz - Ith 275 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	25 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 CSA DNV LROS (Lloyds register of shipping) RINA RMRoS UL CB
Connections - terminals	Power circuit : connector 1 cable(s) 150 mm ² Power circuit : lugs-ring terminals 1 cable(s) 150 mm ² Power circuit : bolted connection Power circuit : bar 2 x (25 x 3 mm)
Tightening torque	Power circuit : 18 N.m

Environment

IP degree of protection	IP2x front face with shrouds (ordered separately) conforming to IEC 60529 IP2x front face with shrouds (ordered separately) conforming to VDE 0106
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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 Vibrations resistance contactor closed 5 Gn, 5...300 Hz Shocks resistance contactor open 7 Gn for 11 ms
height	174 mm
width	208.5 mm
depth	181 mm
product weight	5.45 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