

Product data sheet

Characteristics

LC1F1854

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



Product availability : Stock - Normally stocked in distribution facility



Main

Range	TeSys
Product or component type	Contacteur
Product name	TeSys F
Device short name	LC1F
Contacteur application	Resistive load

Complementary

Utilisation category	AC-1
Poles description	4P
Pole contact composition	4 NO
System Voltage	<= 1000 V AC 50/60 Hz <= 460 V DC
[Ie] rated operational current	275 A (<= 104 °F (40 °C)) at <= 440 V AC AC-1
[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	275 A at <= 104 °F (40 °C)
Irms rated making capacity	1850 A AC 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 <= 104 °F (40 °C) 10 s 920 A <= 104 °F (40 °C) 30 s 740 A <= 104 °F (40 °C) 1 min 500 A <= 104 °F (40 °C) 3 min 400 A <= 104 °F (40 °C) 10 min
Associated fuse rating	200 A aM 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
Connections - terminals	Power circuit: connector 1 cable(s) 0.23 in ² (150 mm ²) Power circuit: lugs-ring terminals 1 cable(s) 0.23 in ² (150 mm ²) Power circuit: bar 2 x (25 x 3 mm) Power circuit : bolted connection
Tightening torque	Power circuit: 159.29 lbf.in (18 N.m)
Mounting support	Plate
Mechanical robustness	Vibrations contactor closed 5 Gn, 5...300 Hz Shocks contactor open 7 Gn for 11 ms Vibrations contactor open 2 Gn, 5...300 Hz Shocks contactor closed 15 Gn for 11 ms
Height	6.85 in (174 mm)
Width	8.21 in (208.5 mm)
Depth	7.13 in (181 mm)
Product weight	12.02 lb(US) (5.45 kg)

Environment

Standards	IEC 60947-4-1 EN 60947-4-1 IEC 60947-1 EN 60947-1 JIS C8201-4-1
Product certifications	DNV CSA UL ABS CB RINA LROS RMRoS CCC
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
Protective treatment	TH
Ambient air temperature for operation	23...131 °F (-5...55 °C)
Ambient air temperature for storage	-76...176 °F (-60...80 °C)
Permissible ambient air temperature around the device	-40...158 °F (-40...70 °C)
Operating altitude	9842.52 ft (3000 m) without derating in temperature

Ordering and shipping details

Category	22336 - CTR,F-LINE,AC,OPEN,NONREV
Discount Schedule	I12
GTIN	00785901132899
Nbr. of units in pkg.	1
Package weight(Lbs)	12.130000000000001
Returnability	N
Country of origin	CZ

Offer Sustainability

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

Contractual warranty

Warranty period	18 months
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