



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	Motor control Resistive load

## Complementary

Utilisation category	AC-4 AC-1 AC-3
Poles description	3P
Pole contact composition	3 NO
System Voltage	$\leq 1000$ V AC 50/60 Hz $\leq 460$ V DC
[I <sub>e</sub> ] rated operational current	500 A ( $\leq 104$ °F (40 °C)) at $\leq 440$ V AC AC-1 400 A ( $\leq 131$ °F (55 °C)) at $\leq 440$ V AC AC-3
Motor power kW	75 kW at 400 V AC 50/60 Hz AC-4 200 kW at 380...400 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 660...690 V AC 50/60 Hz AC-3 185 kW at 1000 V AC 50/60 Hz AC-3 110 kW at 220...240 V AC 50/60 Hz AC-3
[U <sub>imp</sub> ] rated impulse withstand voltage	8 kV
Overtoltage category	III
[I <sub>th</sub> ] conventional free air thermal current	500 A at $\leq 104$ °F (40 °C)
I <sub>rms</sub> rated making capacity	4000 A AC conforming to IEC 60947-4-1

Rated breaking capacity	3200 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	3600 A <= 104 °F (40 °C) 10 s 2400 A <= 104 °F (40 °C) 30 s 1700 A <= 104 °F (40 °C) 1 min 1200 A <= 104 °F (40 °C) 3 min 1000 A <= 104 °F (40 °C) 10 min
Associated fuse rating	400 A aM at <= 440 V 500 A gG at <= 440 V
Average impedance	0.26 mOhm at 50 Hz - Ith 500 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	42 W AC-3 65 W AC-1
Connections - terminals	Power circuit: lugs-ring terminals 2 cable(s) 0.23 in <sup>2</sup> (150 mm <sup>2</sup> ) Power circuit: bar 2 x ( 30 x 5 mm)
Tightening torque	Power circuit: 309.73 lbf.in (35 N.m)
Mounting support	Plate
Mechanical robustness	Vibrations contactor closed 5 Gn, 5...300 Hz Vibrations contactor open 1.5 Gn, 5...300 Hz Shocks contactor closed 15 Gn for 11 ms Shocks contactor open 6 Gn for 11 ms
Height	8.11 in (206 mm)
Width	8.39 in (213 mm)
Depth	8.62 in (219 mm)
Product weight	17.64 lb(US) (8 kg)

## Environment

Standards	EN 60947-1 EN 60947-4-1 JIS C8201-4-1 IEC 60947-4-1 IEC 60947-1
Product certifications	CSA LROS ABS RINA CB DNV UL RMRoS CCC
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	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	00785901098133
Nbr. of units in pkg.	1
Package weight(Lbs)	18.440000000000001
Returnability	Y
Country of origin	CZ

## Offer Sustainability

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

## Contractual warranty

Warranty period	18 months
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