



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-1 AC-4 AC-3
Poles description	3P
Pole contact composition	3 NO
System Voltage	≤ 1000 V AC 50/60 Hz ≤ 460 V DC
[I _e] rated operational current	400 A (≤ 104 °F (40 °C)) at ≤ 440 V AC AC-1 330 A (≤ 131 °F (55 °C)) at ≤ 440 V AC AC-3
Motor power kW	160 kW at 380...400 V AC 50/60 Hz AC-3 200 kW at 500 V AC 50/60 Hz AC-3 180 kW at 415 V AC 50/60 Hz AC-3 200 kW at 440 V AC 50/60 Hz AC-3 220 kW at 660...690 V AC 50/60 Hz AC-3 160 kW at 1000 V AC 50/60 Hz AC-3 59 kW at 400 V AC 50/60 Hz AC-4 100 kW at 220...240 V AC 50/60 Hz AC-3
[U _{imp}] rated impulse withstand voltage	8 kV
Overvoltage category	III
[I _{th}] conventional free air thermal current	400 A at ≤ 104 °F (40 °C)
I _{rms} rated making capacity	3300 A AC conforming to IEC 60947-4-1

Rated breaking capacity	2640 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	2650 A <= 104 °F (40 °C) 10 s 1800 A <= 104 °F (40 °C) 30 s 1300 A <= 104 °F (40 °C) 1 min 900 A <= 104 °F (40 °C) 3 min 750 A <= 104 °F (40 °C) 10 min
Associated fuse rating	400 A aM at <= 440 V 500 A gG at <= 440 V
Average impedance	0.28 mOhm at 50 Hz - Ith 400 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	31 W AC-3 44 W AC-1
Connections - terminals	Power circuit: lugs-ring terminals 1 cable(s) 0.37 in ² (240 mm ²) 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 2 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	20.94 lb(US) (9.5 kg)

Environment

Standards	IEC 60947-1 EN 60947-1 JIS C8201-4-1 EN 60947-4-1 IEC 60947-4-1
Product certifications	ABS CCC LROS (Lloyds register of shipping) RINA DNV RMRoS CSA UL CB
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	00785901873266
Nbr. of units in pkg.	1
Package weight(Lbs)	18.800000000000001
Returnability	Y
Country of origin	CZ

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0843 - 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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