



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-3 AC-1
Poles description	3P
Pole contact composition	3 NO
System Voltage	$\leq 1000$ V AC 50/60 Hz $\leq 460$ V DC
[Ie] rated operational current	350 A ( $\leq 104$ °F (40 °C)) at $\leq 440$ V AC AC-1 265 A ( $\leq 131$ °F (55 °C)) at $\leq 440$ V AC AC-3
Motor power kW	132 kW at 380...400 V AC 50/60 Hz AC-3 140 kW at 415 V AC 50/60 Hz AC-3 140 kW at 440 V AC 50/60 Hz AC-3 160 kW at 500 V AC 50/60 Hz AC-3 160 kW at 660...690 V AC 50/60 Hz AC-3 147 kW at 1000 V AC 50/60 Hz AC-3 51 kW at 400 V AC 50/60 Hz AC-4 75 kW at 220...240 V AC 50/60 Hz AC-3
[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	350 A at $\leq 104$ °F (40 °C)
Irms rated making capacity	2650 A AC conforming to IEC 60947-4-1

Rated breaking capacity	2120 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	2200 A <= 104 °F (40 °C) 10 s 1230 A <= 104 °F (40 °C) 30 s 950 A <= 104 °F (40 °C) 1 min 620 A <= 104 °F (40 °C) 3 min 480 A <= 104 °F (40 °C) 10 min
Associated fuse rating	315 A aM at <= 440 V 400 A gG at <= 440 V
Average impedance	0.3 mOhm at 50 Hz - Ith 350 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	21 W AC-3 37 W AC-1
Connections - terminals	Power circuit: connector 1 cable(s) 0.37 in <sup>2</sup> (240 mm <sup>2</sup> ) Power circuit: lugs-ring terminals 1 cable(s) 0.37 in <sup>2</sup> (240 mm <sup>2</sup> ) Power circuit: bar 2 x ( 32 x 4 mm) Power circuit : bolted connection
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	7.99 in (203 mm)
Width	7.93 in (201.5 mm)
Depth	8.39 in (213 mm)
Product weight	18.83 lb(US) (8.54 kg)

## Environment

Standards	JIS C8201-4-1 IEC 60947-1 IEC 60947-4-1 EN 60947-1 EN 60947-4-1
Product certifications	ABS RINA DNV LROS (Lloyds register of shipping) RMRoS UL CB CCC CSA
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	00785901132912
Nbr. of units in pkg.	1
Package weight(Lbs)	15.91
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 <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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