



Product availability: Non-Stock - Not normally stocked in distribution facility



Main

Range	TeSys
Product name	TeSys F
Product or component type	Contacteur
Device short name	LC1F
Contacteur application	Motor control Resistive load
Utilisation category	AC-4 AC-1 AC-3
Poles description	3P
Power pole contact composition	3 NO
[Ue] rated operational voltage	<= 1000 V AC 50/60 Hz <= 460 V DC
[Ie] rated operational current	350 A 104 °F (40 °C) <= 440 V AC AC-1 265 A 131 °F (55 °C) <= 440 V AC AC-3
Motor power kW	132 KW 380...400 V AC 50/60 Hz AC-3) 140 KW 415 V AC 50/60 Hz AC-3) 140 KW 440 V AC 50/60 Hz AC-3) 160 KW 500 V AC 50/60 Hz AC-3) 160 KW 660...690 V AC 50/60 Hz AC-3) 147 KW 1000 V AC 50/60 Hz AC-3) 75 KW 220...230 V AC 50/60 Hz AC-3) 51 kW 400 V AC 50/60 Hz AC-4)
[Uc] control circuit voltage	550...600 V AC 40...400 Hz

Complementary

[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	350 A 104 °F (40 °C)
Rated breaking capacity	2120 A 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 <= 440 V 400 A gG <= 440 V
Average impedance	0.3 mOhm - Ith 350 A 50 Hz
[Ui] rated insulation voltage	1000 V IEC 60947-4-1 1500 V VDE 0110 group C
Power dissipation per pole	37 W AC-1 21 W AC-3
Mounting support	Plate
Standards	EN 60947-1 IEC 60947-1 JIS C8201-4-1 IEC 60947-4-1 EN 60947-4-1

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Product certifications	CCC RINA CB BV RMRoS UL DNV LROS (Lloyds register of shipping) ABS
Connections - terminals	Control circuit screw clamp terminals 1 0.00...0.01 in ² (1...4 mm ²)flexible without cable end Control circuit screw clamp terminals 2 0.00...0.01 in ² (1...4 mm ²)flexible without cable end Control circuit screw clamp terminals 1 0.00...0.01 in ² (1...4 mm ²)flexible with cable end Control circuit screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²)flexible with cable end Control circuit screw clamp terminals 1 0.00...0.01 in ² (1...4 mm ²)solid without cable end Control circuit screw clamp terminals 2 0.00...0.01 in ² (1...4 mm ²)solid without cable end Power circuit bar 2 32 x 4 mm Power circuit lugs-ring terminals 1 0.37 in ² (240 mm ²) Power circuit connector 1 0.37 in ² (240 mm ²) Power circuit bolted connection
Tightening torque	Control circuit 10.62 lbf.in (1.2 N.m) Power circuit 309.78 lbf.in (35 N.m)
Control circuit voltage limits	Operational 0.85...1.1 Uc 40...400 Hz 131 °F (55 °C)) Drop-out 0.15...0.2 Uc 40...400 Hz 131 °F (55 °C))
Inrush power in VA	650 VA 40...400 Hz 0.9 68 °F (20 °C))
Hold-in power consumption in VA	10 VA 40...400 Hz 0.9 68 °F (20 °C))
Heat dissipation	8 W
Operating time	40...65 ms closing 100...170 ms opening
Mechanical durability	10 Mcycles
Maximum operating rate	2400 cyc/h 131 °F (55 °C)
Compatibility code	LC1F

Environment

IP degree of protection	IP20 front face with shrouds IEC 60529 IP20 front face with shrouds 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
Height	7.99 in (203 mm)
Width	7.93 in (201.5 mm)
Depth	8.39 in (213 mm)
Product weight	16.40 lb(US) (7.44 kg)

Ordering and shipping details

Category	22336 - CTR,F-LINE,AC,OPEN,NONREV
Discount Schedule	I12
GTIN	00785901565048
Package weight(Lbs)	7.59 kg (16.74 lb(US))
Returnability	No
Country of origin	CZ

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause Carcinogen & Reproductive harm. For more information go to www.p65warnings.ca.gov
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months
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