

Product availability: Stock - Normally stocked in distribution facility



Main

Range	TeSys
Product name	TeSys F
Product or component type	Contactor
Device short name	LC1F
Contactor 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	<= 690 V AC 50/60 Hz
[Ie] rated operational current	315 A 104 °F (40 °C)) <= 440 V AC-1 225 A 131 °F (55 °C)) <= 440 V AC-3
Motor power kW	110 KW 380...400 V AC 50/60 Hz AC-3) 110 KW 415 V AC 50/60 Hz AC-3) 110 KW 440 V AC 50/60 Hz AC-3) 129 KW 500 V AC 50/60 Hz AC-3) 63 KW 220...240 V AC 50/60 Hz AC-3) 129 KW 660...690 V AC 50/60 Hz AC-3) 40 kW 400 V AC 50/60 Hz AC-4)

Complementary

[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	315 A 104 °F (40 °C)
Irms rated making capacity	2250 A IEC 60947-4-1
Rated breaking capacity	1800 A IEC 60947-4-1
[Icw] rated short-time withstand current	1800 A 104 °F (40 °C) - 10 s 1000 A 104 °F (40 °C) - 30 s 850 A 104 °F (40 °C) - 1 min 560 A 104 °F (40 °C) - 3 min 440 A 104 °F (40 °C) - 10 min
Associated fuse rating	315 A gG <= 440 V 250 A aM <= 440 V
Average impedance	0.32 mOhm - Ith 315 A 50 Hz
[Ui] rated insulation voltage	1000 V IEC 60947-4-1 1500 V VDE 0110 group C
Power dissipation per pole	32 W AC-1 16 W AC-3
Mounting support	Plate
Standards	JIS C8201-4-1 IEC 60947-4-1 IEC 60947-1 EN 60947-4-1 EN 60947-1

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Product certifications	UL LROS (Lloyds register of shipping) BV CB ABS DNV CSA RMRoS RINA
Connections - terminals	Power circuit lugs-ring terminals 1 0.29 in ² (185 mm ²) Power circuit connector 1 0.29 in ² (185 mm ²) Power circuit bar 2 32 x 4 mm Power circuit bolted connection
Tightening torque	Power circuit 309.78 lbf.in (35 N.m)

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
Mechanical robustness	Vibrations contactor open2 Gn, 5...300 Hz Vibrations contactor closed5 Gn, 5...300 Hz Shocks contactor open7 Gn for 1/2 sine wave (11 ms) Shocks contactor closed15 Gn for 1/2 sine wave (11 ms)
Height	7.76 in (197 mm)
Width	6.63 in (168.5 mm)
Depth	7.13 in (181 mm)
Net weight	12.24 lb(US) (5.55 kg)

Ordering and shipping details

Category	22336 - CTR,F-LINE,AC,OPEN,NONREV
Discount Schedule	I12
GTIN	00785901726746
Package weight(Lbs)	4.99 kg (11.01 lb(US))
Returnability	Yes
Country of origin	CZ

Offer Sustainability

Sustainable offer status	Green Premium product
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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