

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	Resistive load Motor control
Utilisation category	AC-1 AC-4 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	250 A 104 °F (40 °C) ≤ 440 V AC-1 150 A 131 °F (55 °C) ≤ 440 V AC-3
Motor power kW	75 kW 380...400 V AC 50/60 Hz AC-3) 80 kW 415 V AC 50/60 Hz AC-3) 80 kW 440 V AC 50/60 Hz AC-3) 90 kW 500 V AC 50/60 Hz AC-3) 40 kW 220...240 V AC 50/60 Hz AC-3) 100 kW 660...690 V AC 50/60 Hz AC-3) 22 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	250 A 104 °F (40 °C)
Irms rated making capacity	1500 A IEC 60947-4-1
Rated breaking capacity	1200 A IEC 60947-4-1
[Icw] rated short-time withstand current	1200 A 104 °F (40 °C) - 10 s 700 A 104 °F (40 °C) - 30 s 600 A 104 °F (40 °C) - 1 min 450 A 104 °F (40 °C) - 3 min 350 A 104 °F (40 °C) - 10 min
Associated fuse rating	160 A aM ≤ 440 V 250 A gG ≤ 440 V
Average impedance	0.35 mOhm - Ith 250 A 50 Hz
[Ui] rated insulation voltage	1000 V IEC 60947-4-1 1500 V VDE 0110 group C
Power dissipation per pole	22 W AC-1 8 W AC-3
Mounting support	Plate
Standards	IEC 60947-4-1 EN 60947-4-1 IEC 60947-1 EN 60947-1 JIS C8201-4-1

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Product certifications	RINA CSA BV RMRoS LROS (Lloyds register of shipping) DNV ABS UL CB
Connections - terminals	Power circuit lugs-ring terminals 1 0.19 in ² (120 mm ²) Power circuit connector 1 0.19 in ² (120 mm ²) Power circuit bar 2 25 x 3 mm Power circuit bolted connection
Tightening torque	Power circuit 159.31 lbf.in (18 N.m)

Environment

IP degree of protection	IP2x front face with shrouds IEC 60529 IP2x 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 closed6 Gn, 5...300 Hz Shocks contactor open9 Gn for 1/2 sine wave (11 ms) Shocks contactor closed15 Gn for 1/2 sine wave (11 ms)
Height	6.69 in (170 mm)
Width	6.44 in (163.5 mm)
Depth	6.73 in (171 mm)
Net weight	8.44 lb(US) (3.83 kg)

Ordering and shipping details

Category	22336 - CTR,F-LINE,AC,OPEN,NONREV
Discount Schedule	I12
GTIN	00785901156116
Package weight(Lbs)	3.67 kg (8.1 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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