

Product data sheet

Specifications



TeSys F contactor - 3P (3 NO) - AC-3 - <= 440 V 330 A - coil 24 V AC

LC1F330B7

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

Price* : 1,621.00 USD

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-3 AC-1
Poles description	3P
Power pole contact composition	3 NO
[Ie] rated operational current	400 A 104 °F (40 °C) <= 440 V AC AC-1 330 A 131 °F (55 °C) <= 440 V AC AC-3
Motor power kW	160 kW 380...400 V AC 50/60 Hz AC-3) 180 kW 415 V AC 50/60 Hz AC-3) 200 kW 440 V AC 50/60 Hz AC-3) 200 kW 500 V AC 50/60 Hz AC-3) 220 kW 660...690 V AC 50/60 Hz AC-3) 160 kW 1000 V AC 50/60 Hz AC-3) 100 kW 220...230 V AC 50/60 Hz AC-3) 59 kW 400 V AC 50/60 Hz AC-4)
[Uc] control circuit voltage	24 V AC 40...400 Hz

Complementary

[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	400 A 104 °F (40 °C)
Rated breaking capacity	2640 A 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 <= 440 V 500 A gG <= 440 V
Average impedance	0.28 mOhm - Ith 400 A 50 Hz

* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

[Ui] rated insulation voltage	1000 V IEC 60947-4-1 1500 V VDE 0110 group C
Power dissipation per pole	44 W AC-1 31 W AC-3
Mounting Support	Plate
Standards	EN 60947-1 JIS C8201-4-1 IEC 60947-4-1 EN 60947-4-1 IEC 60947-1
Product certifications	RINA RMRoS ABS CCC BV DNV LROS (Lloyds register of shipping) CB UL UKCA
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 lugs-ring terminals 1 0.37 in ² (240 mm ²) Power circuit bar 2 30 x 5 mm 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 U _c 40...400 Hz 131 °F (55 °C) Drop-out 0.35...0.55 U _c 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 derating
Height	8.11 in (206 mm)
Width	8.39 in (213 mm)
Depth	8.62 in (219 mm)
Net weight	18.96 lb(US) (8.6 kg)

Ordering and shipping details

Category	22336 - CTR,F-LINE,AC,OPEN,NONREV
-----------------	-----------------------------------

Discount Schedule	I12
GTIN	3389110460209
Nbr. of units in pkg.	1
Package weight(Lbs)	20.06 lb(US) (9.1 kg)
Returnability	No
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	9.84 in (25 cm)
Package 1 width	9.84 in (25 cm)
Package 1 Length	12.20 in (31 cm)

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 cancer and birth defects or other 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 Product out of China RoHS scope. Substance declaration for your information.
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
-----------------	-----------