

Product data sheet

Specifications



TeSys F reversing contactor - 3P(3 NO) AC-3 <= 440 V 150 A - without coil

LC2F150

To be discontinued on: Jun 30, 2024

To be discontinued

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

Price*: 2,866.00 USD

Main

Range	TeSys
Product Name	TeSys F
Product Or Component Type	Reversing contactor
Device Short Name	LC2F
Contactor Application	Resistive load Motor control
Utilisation Category	AC-3 AC-1
Device Presentation	Preassembled with reversing power busbar
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	250 A (at <104 °F (40 °C)) at <= 440 V AC AC-1 150 A (at <131 °F (55 °C)) at <= 440 V AC AC-3
Motor Power Kw	65 kW 1000 V AC 50/60 Hz 75 kW 380...400 V AC 50/60 Hz 80 kW 415 V AC 50/60 Hz 80 kW 440 V AC 50/60 Hz 90 kW 500 V AC 50/60 Hz 40 kW 220...240 V AC 50/60 Hz 100 kW 660...690 V AC 50/60 Hz
Auxiliary Contact Composition	1 NO
[Uimp] Rated Impulse Withstand Voltage	8 kV
Overvoltage Category	III
[Ith] Conventional Free Air Thermal Current	250 A (at 104 °F (40 °C))
Irms Rated Making Capacity	1500 A AC conforming to IEC 60947-4-1
Rated Breaking Capacity	1200 A conforming to 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 at <= 440 V 250 A gG at <= 440 V

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Average Impedance	0.35 mOhm - lth 250 A 50 Hz
[Ui] Rated Insulation Voltage	1000 V IEC 60947-4-1 1500 V VDE 0110 group C
Power Dissipation Per Pole	8 W AC-3
Interlocking Type	Mechanical
Mounting Support	Plate
Standards	EN 60947-4-1 JIS C8201-4-1 EN 60947-1 IEC 60947-4-1 IEC 60947-1
Product Certifications	CB RMRoS DNV ABS UL CCC CSA LROS (Lloyds register of shipping) RINA UKCA
Connections - Terminals	Control circuit screw clamp terminals 1 0.00...0.01 in² (1...4 mm²)flexible without cable end Control circuit screw clamp terminals 2 0.00...0.01 in² (1...4 mm²)flexible without cable end Control circuit screw clamp terminals 1 0.00...0.01 in² (1...4 mm²)flexible with cable end Control circuit screw clamp terminals 2 0.00...0.00 in² (1...2.5 mm²)flexible with cable end Control circuit screw clamp terminals 1 0.00...0.01 in² (1...4 mm²)solid without cable end Control circuit screw clamp terminals 2 0.00...0.01 in² (1...4 mm²)solid without cable end Power circuit connector 1 0.19 in² (120 mm²) Power circuit lugs-ring terminals 1 0.19 in² (120 mm²) Power circuit bar 2 25 x 3 mm
Tightening Torque	Control circuit 10.62 lbf.in (1.2 N.m) 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 derating
Fire Resistance	1562 °F (850 °C) IEC 60695-2-1
Mechanical Robustness	Vibrations contactor open2 Gn, 5...300 Hz Vibrations contactor closed6 Gn, 5...300 Hz Shocks contactor open9 Gn for 11 ms Shocks contactor closed15 Gn for 11 ms
Height	6.69 in (170 mm)
Width	13.58 in (345 mm)
Depth	6.73 in (171 mm)
Net Weight	16.67 lb(US) (7.56 kg)

Ordering and shipping details

Category	US10I1222337
Discount Schedule	0I12
Gtin	3389110227383
Returnability	No
Country Of Origin	CZ

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	11.81 in (30.000 cm)
Package 1 Width	15.75 in (40.000 cm)
Package 1 Length	23.62 in (60.000 cm)
Package 1 Weight	20.09 lb(US) (9.114 kg)
Unit Type Of Package 2	P06
Number Of Units In Package 2	4
Package 2 Height	29.53 in (75.000 cm)
Package 2 Width	23.62 in (60.000 cm)
Package 2 Length	31.50 in (80.000 cm)
Package 2 Weight	99.11 lb(US) (44.956 kg)

Contractual warranty

Warranty	18 months
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Sustainability



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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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[Guide to assess a product’s sustainability >](#)



Transparency RoHS/REACH

Well-being performance

 Mercury Free

 Rohs Exemption Information [Yes](#)

Certifications & Standards

Reach Regulation	REACH Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	End of Life Information
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