Product datasheet

Specifications

Green Premium™

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

Local distributor code:

402917348 LC2F150

Discontinued on: 31 Dec 2023

Discontinued

EAN Code: 3389110227383

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 <40 °C) at <= 440 V AC AC-1 150 A (at <55 °C) at <= 440 V AC AC-3
Motor Power Kw	65 kW at 1000 V AC 50/60 Hz 75 kW at 380...400 V AC 50/60 Hz 80 kW at 415 V AC 50/60 Hz 80 kW at 440 V AC 50/60 Hz 90 kW at 500 V AC 50/60 Hz 40 kW at 220...240 V AC 50/60 Hz 100 kW at 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 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 40 °C - 10 s 700 A 40 °C - 30 s 600 A 40 °C - 1 min 450 A 40 °C - 3 min 350 A 40 °C - 10 min
Associated Fuse Rating	160 A aM at <= 440 V 250 A gG at <= 440 V
Average Impedance	0.35 mOhm - Ith 250 A 50 Hz

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

[Ui] Rated Insulation Voltage	1000 V conforming to IEC 60947-4-1 1500 V conforming to 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 cable(s) 1…4 mm²flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 1…4 mm²flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 1…4 mm²flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1…2.5 mm²flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 1…4 mm²solid without cable end Control circuit: screw clamp terminals 2 cable(s) 1…4 mm²solid without cable end Power circuit: connector 1 cable(s) 120 mm² Power circuit: lugs-ring terminals 1 cable(s) 120 mm² Power circuit: bar 2 cable(s) - busbar cross section: 25 x 3 mm
Tightening Torque	Control circuit: 1.2 N.m Power circuit: 18 N.m

Environment

Ip Degree Of Protection	IP2X front face with shrouds conforming to IEC 60529 IP2X front face with shrouds conforming to VDE 0106
Protective Treatment	TH
Ambient Air Temperature For Operation	-5…55 °C
Ambient Air Temperature For Storage	-60…80 °C
Permissible Ambient Air Temperature Around The Device	-40…70 °C
Operating Altitude	3000 m without derating
Fire Resistance	850 °C conforming to IEC 60695-2-1
Mechanical Robustness	Vibrations contactor open: 2 Gn, 5...300 Hz Vibrations contactor closed: 6 Gn, 5...300 Hz Shocks contactor open: 9 Gn for 11 ms Shocks contactor closed: 15 Gn for 11 ms
Height	170 mm
Width	345 mm
Depth	171 mm
Net Weight	7.56 kg

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	30.000 cm

Package 1 Width	40.000 cm
Package 1 Length	60.000 cm
Package 1 Weight	9.114 kg
Unit Type Of Package 2	P06
Number Of Units In Package 2	4
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	44.956 kg

Contractual warranty

Warranty	18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

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

Learn more about Green Premium >

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