Product datasheet

Specifications

Green Premium™

TeSys D - star delta starter - 3 x 3P (3 NO) - 150 A - 230 V AC coil

Local distributor code:

402923125 LC3D150P7

Discontinued on: 9 Feb 2023

EAN Code: 3389110208085

Discontinued

Main

Range	TeSys
Product Name	TeSys Deca
Product Or Component Type	Star delta starter
Device Short Name	LC3D
Contactor Application	Motor control
Utilisation Category	AC-3
Device Presentation	Pre-wired
Poles Description	3 x 3P
Power Pole Contact Composition	3 x 3 NO
[Ue] Rated Operational Voltage	Power circuit: <= 690 V AC 25...400 Hz
[Ie] Rated Operational Current	150 A (at <60 °C) at <= 440 V AC AC-3 for power circuit
Motor Power Kw	132 kW at 380/400 V AC 50/60 Hz 132 kW at 415 V AC 50/60 Hz 147 kW at 440 V AC 50/60 Hz 75 kW at 220/230 V AC 50/60 Hz
Control Circuit Type	AC at 50/60 Hz
[Uc] Control Circuit Voltage	230 V AC 50/60 Hz
Auxiliary Contact Composition	1 NC for KM1 star contactor 1 NC for KM2 line contactor 1 NO for KM3 delta contactor
[Uimp] Rated Impulse Withstand Voltage	8 kV conforming to IEC 60947
Overvoltage Category	III
[Ui] Rated Insulation Voltage	Power circuit: 600 V CSA certified Power circuit: 600 V UL certified Signalling circuit: 600 V CSA certified Signalling circuit: 600 V UL certified Power circuit: 1000 V conforming to IEC 60947-4-1 Signalling circuit: 1000 V conforming to IEC 60947-1
Electrical Durability	0.85 Mcycles 150 A AC-3 at Ue <= 440 V
Mounting Support	Plate
Standards	EN 60947-4-1 IEC 60947-4-1 EN 60947-5-1 CSA C22.2 No 14 UL 508 IEC 60947-5-1

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

Product Certifications	RINA UL GOST DNV CSA CCC LROS (Lloyds register of shipping) GL BV

Complementary

Connections - Terminals	Power circuit: connector 1 10…120 mm² - cable stiffness: flexible without cable end Power circuit: connector 2 10…50 mm² - cable stiffness: flexible without cable end Power circuit: connector 1 10…120 mm² - cable stiffness: flexible with cable end Power circuit: connector 2 10…50 mm² - cable stiffness: flexible with cable end Power circuit: connector 1 10…120 mm² - cable stiffness: solid without cable end Power circuit: connector 2 10…50 mm² - cable stiffness: solid without cable end Control circuit: connector 1 1…2.5 mm² - cable stiffness: flexible without cable end Control circuit: connector 2 1…2.5 mm² - cable stiffness: flexible without cable end Control circuit: connector 1 1…2.5 mm² - cable stiffness: flexible with cable end Control circuit: connector 2 1…2.5 mm² - cable stiffness: flexible with cable end Control circuit: connector 1 1…2.5 mm² - cable stiffness: solid without cable end Control circuit: connector 2 1…2.5 mm² - cable stiffness: solid without cable end
Tightening Torque	Power circuit: 12 N.m - on connector - with screwdriver flat Ø 6...8 mm Control circuit: 1.2 N.m - on connector - with screwdriver flat Ø 6 mm Control circuit: 1.2 N.m - on connector - with screwdriver Philips No 2
Mechanical Durability	8 Mcycles
Maximum Operating Rate	30 cyc/h 60 °C
Starting Time	30 s
Coil Technology	Without built-in suppressor module
Control Circuit Voltage Limits	Drop-out: 0.3...0.5 Uc at 50/60 Hz (at <55 °C) Operational: 0.8...1.15 Uc at 50/60 Hz (at <55 °C)
Inrush Power In Va	280…350 VA 60 Hz cos phi 0.9 (at 20 °C) 280…350 VA 50 Hz cos phi 0.9 (at 20 °C)
Hold-In Power Consumption In Va	2…18 VA 60 Hz cos phi 0.9 (at 20 °C) 2…18 VA 50 Hz cos phi 0.9 (at 20 °C)
Heat Dissipation	3…4.5 W at 50/60 Hz
Auxiliary Contacts Type	Mechanically linked conforming to IEC 60947-5-1 3 x 1 NO + 1 NC Mirror contact conforming to IEC 60947-4-1 3 x 1 NC
Signalling Circuit Frequency	25...400 Hz
Minimum Switching Current	5 mA for signalling circuit
Minimum Switching Voltage	17 V for signalling circuit
Non-Overlap Time	1.5 ms on de-energisation between NC and NO contact 1.5 ms on energisation between NC and NO contact
Width	450 mm
Height	555 mm
Depth	205 mm
Net Weight	12.1 kg

Environment

Insulation Resistance	> 10 MOhm for signalling circuit
Ip Degree Of Protection	IP20 front face conforming to IEC 60529
Protective Treatment	TH conforming to IEC 60068-2-30
Pollution Degree	3

Ambient Air Temperature For Storage	-60…80 °C
Ambient Air Temperature For Operation	-40…60 °C 60…70 °C with derating
Operating Altitude	3000 m
Fire Resistance	850 °C conforming to IEC 60695-2-1
Flame Retardance	V1 conforming to UL 94
Mechanical Robustness	Vibrations contactor open: 2 Gn, 5...300 Hz Vibrations contactor closed: 4 Gn, 5...300 Hz Shocks contactor closed: 15 Gn for 11 ms Shocks contactor open: 6 Gn for 11 ms

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	35.0 cm
Package 1 Width	67.0 cm
Package 1 Length	77.0 cm
Package 1 Weight	12.1 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

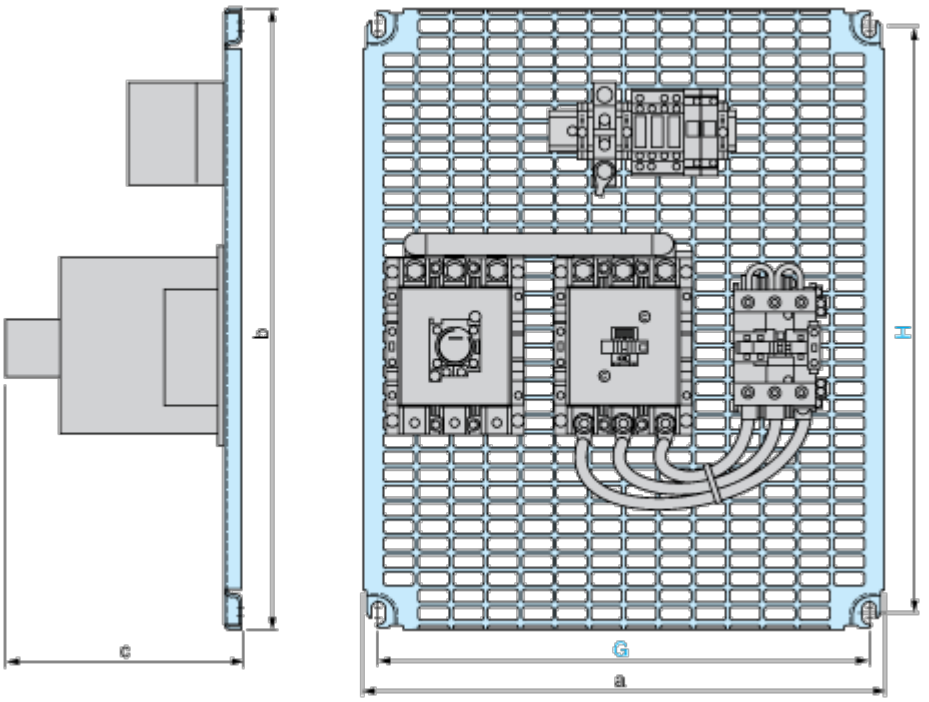
Mercury Free	
Rohs Exemption Information	Yes
Pvc Free	

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

Dimensions Drawings

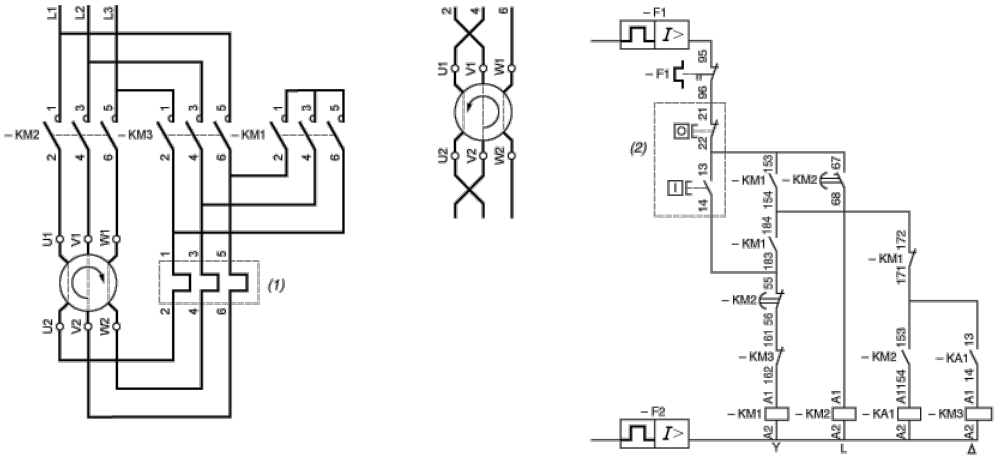
Dimensions



LC3 or 3 x LC1	a	b	c	G	H
LC3 D115 or 3 x LC1 D with components	450	555	205	425	525
LC3 D150 or 3 x LC1 D with components	450	555	205	425	525

Connections and Schema

Wiring



(1) Recommended cabling for reversal of motor rotation (standard motor, viewed from shaft end).

(2) Remote control.