Product data sheet

Specifications

TeSys Deca - star delta starter - 3 x 3P (3 NO) - 150 A - 110 V AC coil

LC3D150F7A64

Discontinued on: Jul 12, 2021

Discontinued

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

Main

Range	TeSys
Product name	TeSys D
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 <140 °F (60 °C)) at <= 440 V AC AC-3 for power circuit
Motor power kW	132 kW 380/400 V AC 50/60 Hz 132 kW 415 V AC 50/60 Hz 147 kW 440 V AC 50/60 Hz 75 kW 220/230 V AC 50/60 Hz
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	110 V AC 50/60 Hz
Auxiliary contact composition	1 NC KM1 star contactor 1 NC KM2 line contactor 1 NO KM3 delta contactor
[Uimp] rated impulse withstand voltage	8 kV IEC 60947
Overvoltage category	III
[Ui] rated insulation voltage	Power circuit 600 V CSA Power circuit 600 V UL Signalling circuit 600 V CSA Signalling circuit 600 V UL Power circuit 1000 V IEC 60947-4-1 Signalling circuit 1000 V IEC 60947-1
Electrical durability	0.85 Mcycles 150 A AC-3 <= 440 V
Interlocking type	Mechanical
Mounting Support	Plate
Standards	EN 60947-5-1 EN 60947-4-1 IEC 60947-4-1 CSA C22.2 No 14 IEC 60947-5-1 UL 508

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

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

Complementary

Connections - terminals	Power circuit: connector 1 0.02…0.2 in² (10…120 mm²) - cable stiffness: flexible without cable end Power circuit: connector 2 0.02…0.08 in² (10…50 mm²) - cable stiffness: flexible without cable end Power circuit: connector 1 0.02…0.2 in² (10…120 mm²) - cable stiffness: flexible with cable end Power circuit: connector 2 0.02…0.08 in² (10…50 mm²) - cable stiffness: flexible with cable end Power circuit: connector 1 0.02…0.2 in² (10…120 mm²) - cable stiffness: solid without cable end Power circuit: connector 2 0.02…0.08 in² (10…50 mm²) - cable stiffness: solid without cable end Control circuit: connector 1 0.002…0.004 in² (1…2.5 mm²) - cable stiffness: flexible without cable end Control circuit: connector 2 0.002…0.004 in² (1…2.5 mm²) - cable stiffness: flexible without cable end Control circuit: connector 1 0.002…0.004 in² (1…2.5 mm²) - cable stiffness: flexible with cable end Control circuit: connector 2 0.002…0.004 in² (1…2.5 mm²) - cable stiffness: flexible with cable end Control circuit: connector 1 0.002…0.004 in² (1…2.5 mm²) - cable stiffness: solid without cable end Control circuit: connector 2 0.002…0.004 in² (1…2.5 mm²) - cable stiffness: solid without cable end
Tightening torque	Power circuit 106.2 lbf.in (12 N.m) connector flat Ø 6...8 mm Control circuit 10.6 lbf.in (1.2 N.m) connector flat Ø 6 mm Control circuit 10.6 lbf.in (1.2 N.m) connector Philips No 2
Mechanical durability	8 Mcycles
Maximum operating rate	30 cyc/h 140 °F (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 <131 °F (55 °C)) Operational: 0.8...1.15 Uc at 50/60 Hz (at <131 °F (55 °C))
Inrush power in VA	280…350 VA 60 Hz cos phi 0.9 (at 68 °F (20 °C)) 280…350 VA 50 Hz cos phi 0.9 (at 68 °F (20 °C))
Hold-in power consumption in VA	2…18 VA 60 Hz cos phi 0.9 (at 68 °F (20 °C)) 2…18 VA 50 Hz cos phi 0.9 (at 68 °F (20 °C))
Heat dissipation	3…4.5 W 50/60 Hz
Auxiliary contacts type	Mechanically linked IEC 60947-5-1 3 x 1 NO + 1 NC Mirror contact 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 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	17.7 in (450 mm)
Height	21.9 in (555 mm)
Depth	8.07 in (205 mm)
Net Weight	26.7 lb(US) (12.1 kg)

Environment

Insulation resistance	> 10 MOhm for signalling circuit
Protective treatment	TH IEC 60068-2-30
Pollution degree	3
Ambient Air Temperature for Storage	-76…176 °F (-60…80 °C)
Ambient air temperature for operation	-40…140 °F (-40…60 °C) 140…158 °F (60…70 °C) with derating
Operating altitude	9842.52 ft (3000 m)
Fire resistance	1562 °F (850 °C) IEC 60695-2-1
Flame retardance	V1 conforming to UL 94
Mechanical robustness	Vibrations contactor open2 Gn, 5...300 Hz Vibrations contactor closed4 Gn, 5...300 Hz Shocks contactor closed15 Gn for 11 ms Shocks contactor open6 Gn for 11 ms

Ordering and shipping details

Category	US1CP1018401
Discount Schedule	CP10
GTIN	3389118095793
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	13.8 in (35 cm)
Package 1 Width	26.4 in (67 cm)
Package 1 Length	30.3 in (77 cm)
Package weight(Lbs)	26.7 lb(US) (12.1 kg)

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

EU RoHS Directive	Compliant
California proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov
PVC free	Yes

Use Longer

Lifetime extension

Repair	No

Use Again

Repack and remanufacture

Circularity Profile	End of Life Information
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.