

LC3D115P7

Star delta starter, TeSys Deca, 3x3P(3NO),
115A, 230V AC coil, screw clamp terminal



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	115 A (at ≤60 °C) at ≤ 440 V AC AC-3 for power circuit
Motor power kW	110 kW at 380/400 V AC 50/60 Hz 110 kW at 415 V AC 50/60 Hz 110 kW at 440 V AC 50/60 Hz 63 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 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	0.95 Mcycles 115 A AC-3 at Ue ≤ 440 V
Mounting support	Plate
Standards	UL 508 EN 60947-5-1 IEC 60947-5-1 IEC 60947-4-1 EN 60947-4-1 CSA C22.2 No 14
Product certifications	GOST[RETURN]RINA[RETURN]BV[RETURN]DNV[RETURN]DNVCS (Lloyds register of shipping)[RETURN]CCC

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.






Complementary

Connections - terminals	Power circuit: connector 1 10...120 mm ² - cable stiffness: flexible without cable end Power circuit: connector 2 10...50 mm ² - cable stiffness: flexible without cable end Power circuit: connector 1 10...120 mm ² - cable stiffness: flexible with cable end Power circuit: connector 2 10...50 mm ² - cable stiffness: flexible with cable end Power circuit: connector 1 10...120 mm ² - cable stiffness: solid without cable end Power circuit: connector 2 10...50 mm ² - cable stiffness: solid without cable end Control circuit: connector 1 1...2.5 mm ² - cable stiffness: flexible without cable end Control circuit: connector 2 1...2.5 mm ² - cable stiffness: flexible without cable end Control circuit: connector 1 1...2.5 mm ² - cable stiffness: flexible with cable end Control circuit: connector 2 1...2.5 mm ² - cable stiffness: flexible with cable end Control circuit: connector 1 1...2.5 mm ² - cable stiffness: solid without cable end Control circuit: connector 2 1...2.5 mm ² - 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 U _c at 50/60 Hz (at <55 °C) Operational: 0.8...1.15 U _c at 50/60 Hz (at <55 °C)
Inrush power in VA	280...350 VA 60 Hz cos phi 0.8 (at 20 °C) 280...350 VA 50 Hz cos phi 0.8 (at 20 °C)
Hold-in power consumption in VA	2...18 VA 60 Hz cos phi 0.3 (at 20 °C) 2...18 VA 50 Hz cos phi 0.3 (at 20 °C)
Heat dissipation	3...8 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	11.8 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

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration
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