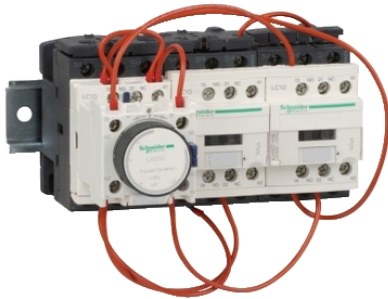


## LC3D18AU7

TeSys D - star delta starter - 3 x 3P (3 NO) - 18 A - 240 V AC coil



### Main

Range	TeSys
Product name	TeSys D
Product or component type	Star delta starter
Device short name	LC3D
Contacteur application	Motor control
Utilisation category	AC-3
Device presentation	Pre-wired
Poles description	3 x 3P
Pole contact composition	3 x 3 NO
[Ue] rated operational voltage	<= 690 V AC 25...400 Hz for power circuit
[Ie] rated operational current	18 A (<= 60 °C) AC AC-3 for power circuit at <= 440 V
Motor power kW	11 kW at 220/230 V AC 50/60 Hz 22 kW at 415 V AC 50/60 Hz 22 kW at 440 V AC 50/60 Hz 18.5 kW at 380/400 V AC 50/60 Hz
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	
Auxiliary contact composition	1 NC for KM1 star contactor
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947
Overvoltage category	III
[Ui] rated insulation voltage	690 V conforming to IEC 60947-4-1 power circuit 600 V certifications CSA power circuit 600 V certifications UL power circuit 690 V conforming to IEC 60947-1 signalling circuit 600 V certifications CSA signalling circuit 600 V certifications UL signalling circuit
Electrical durability	1.65 Mcycles 18 A AC-3 <= 440 V
Provided equipment	Protective cover
Interlocking type	Mechanical
Mounting support	Plate
Standards	EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508 CSA C22.2 No 14
Product certifications	BV CCC CSA DNV GL GOST LROS (Lloyds register of shipping) RINA UL

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### Complementary

Connections - terminals

Screw clamp terminals for control circuit 1 1...4 mm<sup>2</sup> flexible without cable end  
Screw clamp terminals for control circuit 2 1...4 mm<sup>2</sup> flexible without cable end  
Screw clamp terminals for control circuit 1 1...4 mm<sup>2</sup> flexible with cable end  
Screw clamp terminals for control circuit 2 1...2.5 mm<sup>2</sup> flexible with cable end  
Screw clamp terminals for control circuit 1 1...4 mm<sup>2</sup> solid without cable end

Screw clamp terminals for control circuit 2 1...4 mm<sup>2</sup> solid without cable end  
 Screw clamp terminals for power circuit 1 1.5...6 mm<sup>2</sup> flexible without cable end  
 Screw clamp terminals for power circuit 2 1.5...6 mm<sup>2</sup> flexible without cable end  
 Screw clamp terminals for power circuit 1 1...6 mm<sup>2</sup> flexible with cable end  
 Screw clamp terminals for power circuit 2 1...4 mm<sup>2</sup> flexible with cable end  
 Screw clamp terminals for power circuit 1 1.5...6 mm<sup>2</sup> solid without cable end  
 Screw clamp terminals for power circuit 2 1.5...6 mm<sup>2</sup> solid without cable end

Tightening torque	1.7 N.m for power circuit screw clamp terminals flat Ø 6 mm 1.7 N.m for power circuit screw clamp terminals Philips No 2 1.7 N.m for control circuit screw clamp terminals flat Ø 6 mm 1.7 N.m for control circuit screw clamp terminals Philips No 2
Operating rate	30 cyc/h at ≤ 60 °C
Starting time	30 s
Coil technology	Without built-in suppressor module
Control circuit voltage limits	0.3...0.6 U <sub>c</sub> at 60 °C drop-out 50/60 Hz 0.8...1.1 U <sub>c</sub> at 60 °C operational 50 Hz 0.85...1.1 U <sub>c</sub> at 60 °C operational 60 Hz
Inrush power in VA	70 VA at 20 °C 0.75 60 Hz 70 VA at 20 °C 0.75 50 Hz
Hold-in power consumption in VA	7.5 VA at 20 °C 0.3 60 Hz 7 VA at 20 °C 0.3 50 Hz
Heat dissipation	2...3 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
Switching voltage	17 V for signalling circuit
Non-overlap time	1.5 ms on energisation between NC and NO contact 1.5 ms on de-energisation between NC and NO contact
Width	144 mm
Height	124 mm
Depth	143 mm
Product weight	1.73 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...70 °C at U <sub>c</sub>
operating altitude	3000 m without derating in temperature
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 open 10 Gn for 11 ms Shocks contactor closed 15 Gn for 11 ms

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0845 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available