



# TeSys Deca, star delta starter, 3 x 3P (3 NO), 32 A, 120 V coil

LC3D320AG7

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

Price\*: 2,938.00 USD

#### Main

Range	ange TeSys TeSys Deca	
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 25400 Hz		
[le] rated operational current 32 A (at <140 °F (60 °C)) at <= 440 V AC AC-3 for power circuit		
Motor power kW	15 kW 220/230 V AC 50/60 Hz 25 kW 380/400 V AC 50/60 Hz 30 kW 415 V AC 50/60 Hz 30 kW 440 V AC 50/60 Hz	
Control circuit type	AC 50/60 Hz	
[Uc] control circuit voltage	120 V 50/60 Hz	
Auxiliary contact composition 1 NC KM1 star 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	1.65 Mcycles 32 A AC-3 <= 440 V	
safety cover	Protective cover	
Interlocking type Mechanical		
Mounting Support	Rail	
Standards	IEC 60947-5-1 UL 508 EN 60947-4-1 CSA C22.2 No 14 EN 60947-5-1 IEC 60947-4-1 IEC 60335-1	

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

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

# Complementary

Connections - terminals	Control circuit: screw clamp terminals 1 0.0020.006 in² (14 mm²) - cable
	stiffness: flexible without cable end Control circuit: screw clamp terminals 2 0.0020.006 in² (14 mm²) - cable
	stiffness: flexible without cable end Control circuit: screw clamp terminals 1 0.0020.006 in² (14 mm²) - cable
	stiffness: flexible with cable end
	Control circuit: screw clamp terminals 2 0.0020.004 in² (12.5 mm²) - cable stiffness: flexible with cable end
	Control circuit: screw clamp terminals 1 0.0020.006 in² (14 mm²) - cable stiffness: solid without cable end
	Control circuit: screw clamp terminals 2 0.0020.006 in² (14 mm²) - cable
	stiffness: solid without cable end Power circuit: screw clamp terminals 1 0.0040.02 in² (2.510 mm²) - cable
	stiffness: flexible without cable end Power circuit: screw clamp terminals 2 0.0040.02 in² (2.510 mm²) - cable
	stiffness: flexible without cable end
	Power circuit: screw clamp terminals 1 0.0020.02 in² (110 mm²) - cable stiffness: flexible with cable end
	Power circuit: screw clamp terminals 2 0.0020.009 in² (1.56 mm²) - cable stiffness: flexible with cable end
	Power circuit: screw clamp terminals 1 0.0020.02 in² (1.510 mm²) - cable
	stiffness: solid without cable end Power circuit: screw clamp terminals 2 0.0040.02 in² (2.510 mm²) - cable
	stiffness: solid without cable end
Tightening torque	Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals flat Ø 6 mm
	Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Philips No 2 Power circuit 22.1 lbf.in (2.5 N.m) screw clamp terminals flat Ø 6 mm
	Power circuit 22.1 lbf.in (2.5 N.m) screw clamp terminals Philips No 2
	Power circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals pozidriv No 2
	Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals pozidriv No 2
Mechanical durability 15 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: 0.30.6 Uc at 50/60 Hz (at <140 °F (60 °C))
	Operational: 0.81.1 Uc at 50 Hz (at <140 °F (60 °C)) Operational: 0.851.1 Uc at 60 Hz (at <140 °F (60 °C))
	Operational: 0.001.1 00 at 00 12 (at 4140 1 (00 0))
Inrush power in VA	70 VA 60 Hz cos phi 0.75 (at 68 °F (20 °C)) 70 VA 50 Hz cos phi 0.75 (at 68 °F (20 °C))
Hold-in power consumption in VA	7.5 VA 60 Hz cos phi 0.3 (at 68 °F (20 °C))
	7 VA 50 Hz cos phi 0.3 (at 68 °F (20 °C))
Heat dissipation	23 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
ignalling circuit frequency 25400 Hz	
Signalling circuit frequency	
Signalling circuit frequency  Minimum switching current	5 mA for signalling circuit
	5 mA for signalling circuit  17 V signalling circuit
Minimum switching current	

Height	4.9 in (124 mm)
Depth	5.9 in (149 mm)
Net Weight	4.48 lb(US) (2.03 kg)

### **Environment**

Insulation resistance	> 10 MOhm for signalling circuit
IP degree of protection	IP2X front face IEC 60529
Climatic withstand	IACS E10 IEC 60947-1 Annex Q category D
Protective treatment	TH IEC 60068-2-30
Pollution degree	3
Ambient Air Temperature for Storage	-76176 °F (-6080 °C)
Ambient air temperature for operation	-40158 °F (-4070 °C) at Uc
Operating altitude	9842.52 ft (3000 m) without derating
Fire resistance	1562 °F (850 °C) IEC 60695-2-1
Flame retardance	V1 conforming to UL 94
Mechanical robustness	Vibrations contactor open2 Gn, 5300 Hz Vibrations contactor closed4 Gn, 5300 Hz Shocks contactor closed15 Gn for 11 ms Shocks contactor open8 Gn for 11 ms

# Ordering and shipping details

Category	US1CP1018400
Discount Schedule	CP10
GTIN	3389110508604
Returnability	No
Country of origin	FR

## **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.09 in (18.0 cm)
Package 1 Width	6.3 in (16.0 cm)
Package 1 Length	9.3 in (23.5 cm)
Package 1 Weight	4.48 lb(US) (2.03 kg)

## **Contractual warranty**

Warranty 18 months

## Sustainability Green Premium\*

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> 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

<b>Ø</b>	Reach Free Of Svhc
<b>⊘</b>	Toxic Heavy Metal Free
<b>⊘</b>	Mercury Free
<b>⊘</b>	Rohs Exemption Information Yes
<b>Ø</b>	Pvc Free

#### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
	Pro-active China RoHS declaration (out of China RoHS legal scope)
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
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