Product data sheet

Specifications





TeSys Deca reversing contactor -3P(3 NO) - AC-3 - <= 440 V 18 A -24 V DC coil

LC2D18BL

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

Price*: 510.00 USD

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Range	TeSys TeSys Deca
Product Name	TeSys D TeSys Deca
Product Or Component Type	Reversing contactor
Device Short Name	LC2D
Contactor Application	Resistive load Motor control
Utilisation Category	AC-1 AC-3 AC-3e
Device Presentation	Preassembled with reversing power busbar
Poles Description	3P
Power Pole Contact Composition	3 NO
[Ue] Rated Operational Voltage	Power circuit <= 690 V AC 25400 Hz Power circuit <= 300 V DC
[le] Rated Operational Current	18 A (at <140 °F (60 °C)) at <= 440 V AC AC-3 for power circuit 32 A (at <140 °F (60 °C)) at <= 440 V AC AC-1 for power circuit 18 A (at <140 °F (60 °C)) at <= 440 V AC AC-3e for power circuit
Motor Power Kw	4 kW at 220230 V AC 50-60 Hz 7.5 kW at 380400 V AC 50-60 Hz 9 kW at 415 V AC 50-60 Hz 9 kW at 440 V AC 50-60 Hz 10 kW at 500 V AC 50-60 Hz 10 kW at 660690 V AC 50-60 Hz
Motor Power Hp (UI / Csa)	1 hp at 115 V AC 60 Hz for 1 phase motors 3 hp at 230/240 V AC 60 Hz for 1 phase motors 5 hp at 200/208 V AC 60 Hz for 3 phase motors 5 hp at 230/240 V AC 60 Hz for 3 phase motors 10 hp at 460/480 V AC 60 Hz for 3 phase motors 15 hp at 575/600 V AC 60 Hz for 3 phase motors
Control Circuit Type	DC low consumption
[Uc] Control Circuit Voltage	24 V DC
Auxiliary Contact Composition	1 NO + 1 NC
[Uimp] Rated Impulse Withstand Voltage	6 kV IEC 60947
Overvoltage Category	III
[Ith] Conventional Free Air Thermal Current	10 A (at 140 °F (60 °C)) for signalling circuit 32 A (at 140 °F (60 °C)) for power circuit

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

Irms Rated Making Capacity	140 A AC for signalling circuit conforming to IEC 60947-5-1
	250 A DC for signalling circuit conforming to IEC 60947-5-1
	300 A at 440 V for power circuit conforming to IEC 60947
Rated Breaking Capacity	300 A at 440 V for power circuit conforming to IEC 60947
[Icw] Rated Short-Time Withstand	40 A 104 °F (40 °C) - 10 min for power circuit
Current	84 A 104 °F (40 °C) - 1 min for power circuit
	145 A 104 °F (40 °C) - 10 s for power circuit
	240 A 104 °F (40 °C) - 1 s for power circuit
	100 A - 1 s for signalling circuit
	120 A - 500 ms for signalling circuit
	140 A - 100 ms for signalling circuit
Associated Fuse Rating	10 A gG for signalling circuit conforming to IEC 60947-5-1
	50 A gG at <= 690 V coordination type 1 for power circuit
	35 A gG at <= 690 V coordination type 2 for power circuit
Average Impedance	2.5 mOhm - Ith 32 A 50 Hz for power circuit
[Ui] Rated Insulation Voltage	Power circuit 690 V IEC 60947-4-1
[0] Nated insulation voltage	Power circuit 600 V CSA
	Power circuit 600 V UL
	Signalling circuit 690 V IEC 60947-1
	Signalling circuit 600 V CSA
	Signalling circuit 600 V UL
Electrical Durability	1.65 Mcycles 18 A AC-3 <= 440 V
-	1 Mcycles 32 A AC-1 <= 440 V
	1.65 Mcycles 18 A AC-3e <= 440 V
Power Dissipation Per Pole	0.8 W AC-3
	2.5 W AC-1
	0.8 W AC-3e
Front Cover	With
Interlocking Type	Mechanical
Mounting Support	Plate
3 11	Rail
Standards	CSA C22.2 No 14
	EN 60947-4-1
	EN 60947-5-1
	IEC 60947-4-1
	IEC 60947-5-1
	UL 508
	IEC 60335-1
Product Certifications	DNV
	CSA
	CCC
	UL
	GL
	LROS (Lloyds register of shipping)
	BV
	RINA
	GOST
	UKCA

m ²)flexible without m ²)flexible with cable mm ²)flexible with cable m ²)solid m ²)solid nm ²)flexible without
mm²)flexible with cable m²)solid m²)solid nm²)flexible without
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Ø 6 mm
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idriv No 2
3849-1
SO 13849-1

Complementary

Coil Technology	Built-in bidirectional peak limiting diode suppressor				
Control Circuit Voltage Limits	0.10.3 Uc -40158 °F (-4070 °C) drop-out DC 0.81.25 Uc -40140 °F (-4060 °C) operational DC 11.25 Uc 140158 °F (6070 °C) operational DC				
Time Constant	40 ms				
Inrush Power In W	2.4 W 68 °F (20 °C))				
Hold-In Power Consumption In W	2.4 W 68 °F (20 °C)				
Auxiliary Contacts Type	Mechanically linked 1 NO + 1 NC IEC 60947-5-1 Mirror contact 1 NC IEC 60947-4-1				
Signalling Circuit Frequency	25400 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				
Insulation Resistance	> 10 MOhm for signalling circuit				

Environment

Ip Degree Of Protection	IP20 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 Operation	-40…140 °F (-40…60 °C) 140…158 °F (60…70 °C) with derating
Ambient Air Temperature For Storage	-76176 °F (-6080 °C)
Operating Altitude	09842.52 ft (03000 m)
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 open10 Gn for 11 ms Shocks contactor closed15 Gn for 11 ms
Height	3.03 in (77 mm)
Width	3.54 in (90 mm)
Depth	3.74 in (95 mm)
Net Weight	2.29 lb(US) (1.037 kg)

Ordering and shipping details

Category	US10I1222354
Discount Schedule	0112
Gtin	3389110541670
Returnability	No
Country Of Origin	MX

Packing Units

-	
Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	4.25 in (10.8 cm)
Package 1 Width	3.74 in (9.5 cm)
Package 1 Length	4.53 in (11.5 cm)
Package 1 Weight	2.54 lb(US) (1.152 kg)
Unit Type Of Package 2	S02
Number Of Units In Package 2	6
Package 2 Height	5.91 in (15 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	15.98 lb(US) (7.248 kg)

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

Green PremiumTM 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-CO₂ 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

Toxic Heavy Metal Free
Mercury Free
Rohs Exemption Information Yes
Pvc Free

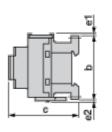
Certifications & Standards

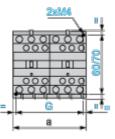
Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
California 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

Product data sheet

Dimensions Drawings

Dimensions





LC2 or 2 x LC1	а	b	c ⁽¹⁾	e1	e2	G
D09 to D18 (AC)	90	77	86	4	1.5	80
D093 to D123 (AC)	90	99	86	-	-	80
D09 to D18 (DC)	90	77	95	4	1.5	80
D093 to D123 (DC)	90	99	95	-	-	80
D25 to D38 (AC)	90	85	92	9	5	80
D183 to D383 (AC)	90	99	92	-	-	80
D25 to D32 (DC)	90	85	101	9	5	80
D183 to D383 (DC)	90	99	101	-	-	80
e1 and e2: including cabling.						
(1) With safety cover, without add-on block.						

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Connections and Schema

Wiring

