Product datasheet

Specifications





REVERSING CONTACTOR 575VAC 32A IEC

Local distributor code: 381823456

LC2D32BD

EAN Code: 3389110392784

Main

Range	TeSys
	TeSys Deca
Product Name	TeSys D
	TeSys Deca
Product Or Component Type	Reversing contactor
Device Short Name	LC2D
Contactor Application	Motor control
	Resistive load
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	32 A (at <60 °C) at <= 440 V AC AC-3 for power circuit
	50 A (at <60 °C) at <= 440 V AC AC-1 for power circuit
	32 A (at <60 °C) at <= 440 V AC AC-3e for power circuit
Motor Power Kw	7.5 kW at 220230 V AC 5060 Hz
	15 kW at 380400 V AC 5060 Hz
	15 kW at 415 V AC 5060 Hz
	15 kW at 440 V AC 5060 Hz
	18.5 kW at 500 V AC 5060 Hz 18.5 kW at 660690 V AC 5060 Hz
Motor Power Hp (UI / Csa)	2 hp at 115 V AC 60 Hz for 1 phase motors
	5 hp at 230/240 V AC 60 Hz for 1 phase motors
	10 hp at 200/208 V AC 60 Hz for 3 phases motors
	10 hp at 230/240 V AC 60 Hz for 3 phases motors
	20 hp at 460/480 V AC 60 Hz for 3 phases motors 30 hp at 575/600 V AC 60 Hz for 3 phases motors
Or wheel Oliver it True a	
Control Circuit Type	DC standard
[Uc] Control Circuit Voltage	24 V DC
Auxiliary Contact Composition	1 NO + 1 NC
[Uimp] Rated Impulse Withstand Voltage	6 kV conforming to IEC 60947
Overvoltage Category	III
[Ith] Conventional Free Air	10 A (at 60 °C) for signalling circuit
Thermal Current	50 A (at 60 °C) for power circuit
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
	550 A at 440 V for power circuit conforming to IEC 60947

Rated Breaking Capacity	550 A at 440 V for power circuit conforming to IEC 60947
[Icw] Rated Short-Time Withstand	60 A 40 °C - 10 min for power circuit
Current	138 A 40 °C - 1 min for power circuit
	260 A 40 °C - 10 s for power circuit
	430 A 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
	63 A gG at <= 690 V coordination type 1 for power circuit
	63 A gG at <= 690 V coordination type 2 for power circuit
Average Impedance	2 mOhm - Ith 50 A 50 Hz for power circuit
[Ui] Rated Insulation Voltage	Power circuit: 690 V conforming to IEC 60947-4-1
	Power circuit: 600 V CSA certified
	Power circuit: 600 V UL certified
	Signalling circuit: 690 V conforming to IEC 60947-1
	Signalling circuit: 600 V CSA certified
	Signalling circuit: 600 V UL certified
Electrical Durability	1.65 Mcycles 32 A AC-3 at Ue <= 440 V
	1.4 Mcycles 50 A AC-1 at Ue <= 440 V
	1.65 Mcycles 32 A AC-3e at Ue <= 440 V
Power Dissipation Per Pole	2 W AC-3
	5 W AC-1
	2 W AC-3e
Front Cover	With
Interlocking Type	Mechanical
Mounting Support	Rail
	Plate
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	UL
	CSA
	RINA
	GOST
	CCC
	DNV
	LROS (Lloyds register of shipping)
	GL
	BV
	UKCA
	CB
Connections - Terminals	Control circuit: screw clamp terminals 1 cable(s) 14 mm²flexible without cable end
	Control circuit: screw clamp terminals 2 cable(s) 14 mm ² flexible without cable end
	Control circuit: screw clamp terminals 1 cable(s) 14 mm ² flexible with cable end
	Control circuit: screw clamp terminals 2 cable(s) 12.5 mm ² flexible with cable end
	Control circuit: screw clamp terminals 1 cable(s) 14 mm ² solid
	Control circuit: screw clamp terminals 2 cable(s) 14 mm ² solid
	Power circuit: screw clamp terminals 1 cable(s) 2.510 mm ² flexible without cable end
	Power circuit: screw clamp terminals 2 cable(s) 2.510 mm ² flexible without cable
	end
	Power circuit: screw clamp terminals 1 cable(s) 110 mm ² flexible with cable end
	Power circuit: screw clamp terminals 1 cable(s) 1.56 mm²flexible with cable end
	Power circuit: screw clamp terminals 1 cable(s) 1.510 mm ² solid
	Power circuit: screw clamp terminals 2 cable(s) 2.510 mm ² solid
Tightening Torque	Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm
	Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2
	Power circuit: 2.5 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm
	Power circuit: 2.5 N.m - on screw clamp terminals - with screwdriver Philips No 2
	Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver pozidriv No 2
	Power circuit: 2.5 N.m - on screw clamp terminals - with screwdriver pozidriv No 2

Operating Time	53.5572.45 ms closing 1624 ms opening
Safety Reliability Level	B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1
Mechanical Durability	30 Mcycles
Maximum Operating Rate	3600 cyc/h 60 °C

Complementary

Coil Technology	Built-in bidirectional peak limiting diode suppressor				
Control Circuit Voltage Limits	0.10.25 Uc (-4070 °C):drop-out DC 0.71.25 Uc (-4060 °C):operational DC 11.25 Uc (6070 °C):operational DC				
Time Constant	28 ms				
Inrush Power In W	5.4 W (at 20 °C)				
Hold-In Power Consumption In W	5.4 W at 20 °C				
Auxiliary Contacts Type	type mechanically linked 1 NO + 1 NC conforming to IEC 60947-5-1 type mirror contact 1 NC conforming to 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 conforming to IEC 60529			
Climatic Withstand	conforming to IACS E10 conforming to IEC 60947-1 Annex Q category D			
Protective Treatment	TH conforming to IEC 60068-2-30			
Pollution Degree	3			
Ambient Air Temperature For Operation	-4060 °C 6070 °C with derating			
Ambient Air Temperature For Storage	-6080 °C			
Operating Altitude	03000 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, 5300 Hz Vibrations contactor closed: 4 Gn, 5300 Hz Shocks contactor closed: 15 Gn for 11 ms Shocks contactor open: 8 Gn for 11 ms			
Height	85 mm			
Width	90 mm			
Depth	101 mm			
Net Weight	1.127 kg			

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	11.0 cm
Package 1 Width	12.3 cm
Package 1 Length	15.0 cm
Package 1 Weight	1.275 kg
Unit Type Of Package 2	S02
Number Of Units In Package 2	5
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	6.67 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

Mercury Free
Rohs Exemption Information Yes
Pvc Free

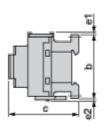
Certifications & Standards

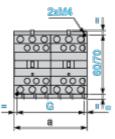
Reach Regulation	REACh Declaration				
Eu Rohs Directive	Compliant with Exemptions				
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information				
Environmental Disclosure	Product Environmental Profile				
Circularity Profile					

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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

