Product data sheet

Specification





Reversing contactor, TeSys Deca, 3P(3NO), AC-3, <=440V, 25A, 125V DC coil, lugs-ring terminals

LC2D256GD

! Discontinued on: Jan 23, 2021

① Discontinued

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-3 AC-1	
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	25 A (at <140 °F (60 °C)) at <= 440 V AC AC-3 for power circuit 40 A (at <140 °F (60 °C)) at <= 440 V AC AC-1 for power circuit	
Motor Power Kw	5.5 kW at 220230 V AC 50 Hz 11 kW at 380400 V AC 50 Hz 11 kW at 415440 V AC 50 Hz 15 kW at 500 V AC 50 Hz 15 kW at 660690 V AC 50 Hz	
Motor Power Hp (UI / Csa)	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 2 hp at 115 V AC 60 Hz for 1 phase motors 7.5 hp at 230/240 V AC 60 Hz for 3 phase motors 15 hp at 460/480 V AC 60 Hz for 3 phase motors 20 hp at 575/600 V AC 60 Hz for 3 phase motors	
Control Circuit Type	DC standard	
[Uc] Control Circuit Voltage	125 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 40 A (at 140 °F (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 60947-5-1 450 A at 440 V for power circuit conforming to IEC 60947	

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

Apr 20, 2024 Life Is On Schneider

Rated Breaking Capacity	450 A at 440 V for power circuit conforming to IEC 60947
[Icw] Rated Short-Time Withstand Current	50 A 104 °F (40 °C) - 10 min for power circuit 120 A 104 °F (40 °C) - 1 min for power circuit 240 A 104 °F (40 °C) - 10 s for power circuit 380 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 63 A gG at <= 690 V coordination type 1 for power circuit 40 A gG at <= 690 V coordination type 2 for power circuit
Average Impedance	2 mOhm - Ith 40 A 50 Hz for power circuit
[Ui] Rated Insulation Voltage	Power circuit 690 V IEC 60947-4-1 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 25 A AC-3 <= 440 V
	1.4 Mcycles 40 A AC-1 <= 440 V
Power Dissipation Per Pole	1.25 W AC-3 3.2 W AC-1
Front Cover	With
Interlocking Type	Mechanical
Mounting Support	Plate 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	LROS (Lloyds register of shipping)
	UL
	GL DNV
	000
	GOST RINA
	CSA
	BV
Connections - Terminals	Control circuit lugs-ring terminals 0.31 in (8 mm)) Power circuit lugs-ring terminals 0.39 in (10 mm))
Tightening Torque	Control circuit 15.05 lbf.in (1.7 N.m) lugs-ring terminals flat Ø 6 mm M3.5
	Control circuit 15.05 lbf.in (1.7 N.m) lugs-ring terminals Philips No 2 M3.5 Power circuit 22.13 lbf.in (2.5 N.m) lugs-ring terminals flat Ø 8 mm M4
	Power circuit 22.13 lbf.in (2.5 N.m) lugs-ring terminals Philips No 2 M4
	Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals pozidriv No 2 Power circuit 22.13 lbf.in (2.5 N.m) screw clamp terminals pozidriv No 2
Operating Time	53.5572.45 ms closing 1624 ms opening
Safety Reliability Level	B10d = 1369863 cycles contactor with nominal load EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load EN/ISO 13849-1
Mechanical Durability	30 Mcycles
Maximum Operating Rate	3600 cyc/h 140 °F (60 °C)
Complementary	

Complementary

Coil Technology Built-in bidirectional peak limiting diode suppressor

Control Circuit Voltage Limits	0.10.25 Uc -40158 °F (-4070 °C) drop-out DC 0.71.25 Uc -40140 °F (-4060 °C) operational DC 11.25 Uc 140158 °F (6070 °C) operational DC
Time Constant	28 ms
Inrush Power In W	5.4 W 68 °F (20 °C))
Hold-In Power Consumption In W	5.4 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	rotection 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	-40140 °F (-4060 °C) 140158 °F (6070 °C) with derating	
Ambient Air Temperature For Storage		
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 closed15 Gn for 11 ms Shocks contactor open8 Gn for 11 ms	
Height	3.35 in (85 mm)	
Width	3.54 in (90 mm)	
Depth	3.98 in (101 mm)	
Net Weight	2.46 lb(US) (1.117 kg)	

Ordering and shipping details

Category	22355-CTR,TESYS D,OPEN,9-38A DC
Discount Schedule	l12
Gtin	3389110715200
Returnability	No
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

Package 1 Height	4.29 in (10.9 cm)
Package 1 Width	4.49 in (11.4 cm)
Package 1 Length	4.65 in (11.8 cm)
Package 1 Weight	2.58 lb(US) (1.17 kg)

Contractual warranty

Warranty 18 months



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Transparency RoHS/REACh

Well-being performance

⊘	Reach Free Of Svhc	
⊘	Toxic Heavy Metal Free	
⊘	Mercury Free	
⊘	Rohs Exemption Information	Yes
Ø	Pvc Free	

Certifications & Standards

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