

TeSys D reversing contactor - 3P(3 NO) - AC-3 - <= 440 V 32 A - 400 V AC coil

LC2D32V7V

! Discontinued

Main

Mairi	
Range	TeSys
Product Name	TeSys D
Product Or Component Type	Reversing contactor
Device Short Name	LC2D
Contactor Application	Resistive load
••	Motor control
Utilisation Category	AC-1
othisation category	AC-3
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
[io] Nated Operational Current	50 A (at <60 °C) at <= 440 V AC AC-1 for power circuit
Motor Power Kw	7.5 kW at 220230 V AC 50 Hz
	15 kW at 380400 V AC 50 Hz 15 kW at 415440 V AC 50 Hz
	18.5 kW at 500 V AC 50 Hz
	18.5 kW at 660690 V AC 50 Hz
Motor Power Hn (III / Coa)	2 ha at 445 V AC CO Lie for 4 above maters
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 7.5 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
Operators I Olivers it Towns	
Control Circuit Type	AC at 50/60 Hz
[Uc] Control Circuit Voltage	400 V AC 50/60 Hz
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
5 . • • •	250 A DC for signalling circuit conforming to IEC 60947-5-1
	550 A at 440 V for power circuit conforming to IEC 60947
Dated Decaling Course the	
Rated Breaking Capacity	550 A at 440 V for power circuit conforming to IEC 60947

Icon Reade Short-Time Withstand St. Au Or 10 min for power circuit 280 A 40 Or 10 s for power circuit 280 A 40 Or 10 s for power circuit 100 A - 1 s for signalling circuit 140 A - 100 ms to signalling 140 A - 100 ms to signalling circuit 140 A - 100 ms to signalli		
280 A d 0°C - 10 s for power circuit 430 A d 0°C - 15 s for power circuit 100 A - 15 for signalling circuit 100 A - 15 for signalling circuit 120 A - 50 ms for signalling circuit 140 A - 100 ms for signalling circuit 153 A gG at <- 890 V coordination type 1 for power circuit 153 A gG at <- 890 V coordination type 2 for power circuit 150 A gG at <- 890 V coordination type 2 for power circuit 150 A gG at <- 890 V coordination type 2 for power circuit 150 A gG at <- 890 V coordination type 2 for power circuit 150 A gG at <- 890 V coordination type 2 for power circuit 150 A gG at <- 890 V coordination type 2 for power circuit 150 A gG at <- 890 V coordination type 2 for power circuit 150 A gG at <- 890 V coordination type 2 for power circuit 150 A gG at <- 890 V coordination type 2 for power circuit 150 A gG at <- 890 V coordination type 2 for power circuit 150 A gG at <- 890 V coordination type 2 for power circuit 150 A gG at <- 890 V coordination type 2 for power circuit 150 A gG at <- 890 V coordination type 2 for power circuit 150 A gG at <- 890 V coordination type 2 for power circuit 150 A gG at <- 890 V coordination type 2 for power circuit 150 A gG at <- 890 V coordination type 2 for power circuit 150 A gG at <- 890 A gG at <- 890 V coordination type 2 for power circuit 150 A gG at <- 890 A gG at <-	[Icw] Rated Short-Time Withstand	60 A 40 °C - 10 min for power circuit
430 A d °C - 1 s for power circuit 100 A - 1 s for signalling circuit 120 A - 500 ms for power circuit 120 Ms - 1 ms for power circuit circuits circui	Current	138 A 40 °C - 1 min for power circuit
100 A - 15 for signalling circuit 120 A - 500 ms for signalling circuit 140 A - 100 ms for signalling circuit 140 A - 100 ms for signalling circuit 140 A - 100 ms for signalling circuit 153 A g6 at <= 690 V coordination type 1 for power circuit 63 A g6 at <= 690 V coordination type 1 for power circuit 63 A g6 at <= 690 V coordination type 2 for power circuit 63 A g6 at <= 690 V coordination type 2 for power circuit 63 A g6 at <= 690 V coordination type 2 for power circuit 63 A g6 at <= 690 V coordination type 2 for power circuit 63 A g6 at <= 690 V coordination type 2 for power circuit 64 Average Impedance 2 mChm - 1h 50 A 50 Hz for power circuit 64 Power circuit 590 V SA certified 65 Power circuit 590 V SA certified 65 Signalling circuit 690 V SA certified 65 Signalling circuit 500 V SA certified 65 Si		260 A 40 °C - 10 s for power circuit
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	Safety Reliability Level	B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1
13045-1		
		13043-1
Mechanical Durability 15 Mcycles		

Maximum Operating Rate 3600 cyc/h 60 °C

Complementary

Coil Technology	Without built-in suppressor module
Control Circuit Voltage Limits	0.30.6 Uc (-4070 °C):drop-out AC 50/60 Hz 0.81.1 Uc (-4060 °C):operational AC 50 Hz 0.851.1 Uc (-4060 °C):operational AC 60 Hz 11.1 Uc (6070 °C):operational AC 50/60 Hz
Inrush Power In Va	70 VA 60 Hz cos phi 0.75 (at 20 °C) 70 VA 50 Hz cos phi 0.75 (at 20 °C)
Hold-In Power Consumption In Va	7.5 VA 60 Hz cos phi 0.3 (at 20 °C) 7 VA 50 Hz cos phi 0.3 (at 20 °C)
Heat Dissipation	23 W at 50/60 Hz
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	
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	92 mm	
Net Weight	0.797 kg	

Contractual warranty

Warranty 18 months

Sustainability

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

②	Reach Free Of Svhc	
⊘	Toxic Heavy Metal Free	
⊘	Mercury Free	
⊘	Rohs Exemption Information Yes	
⊘	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	
Circularity Profile	End of Life Information	