Specifications





() Discontinued

Reversing Contactor, TeSys Deca,, 3 poles, AC-3, 440V 65 A, coil 110V AC

LC2D65F7

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

Main

Walli	
Range	TeSys
Product name	TeSys Deca
Product or Component Type	Reversing contactor
Device short name	LC2D
contactor application	Resistive load Motor control
Utilisation category	AC-1 AC-3
Device presentation	Preassembled with reversing power busbar
poles description	3P
power pole contact composition	3 NO
[Ue] rated operational voltage	Power circuit <= 1000 V AC 25400 Hz
[le] rated operational current	65 A (at <140 °F (60 °C)) at <= 440 V AC AC-3 for power circuit 80 A (at <104.0000000000 °F (40 °C)) at <= 440 V AC AC-1 for power circuit
Motor power kW	18.5 kW at 220230 V AC 50 Hz 30 kW at 380400 V AC 50 Hz 37 kW at 500 V AC 50 Hz 37 kW at 660690 V AC 50 Hz 37 kW at 440 V AC 50 Hz 37 kW at 415 V AC 50 Hz
motor power HP (UL / CSA)	5 hp at 115 V AC 60 Hz for 1 phase motors 20 hp at 200/208 V AC 60 Hz for 3 phase motors 50 hp at 575600 V AC 60 Hz for 3 phase motors 50 hp at 460480 V AC 60 Hz for 3 phase motors 20 hp at 220240 V AC 60 Hz for 3 phase motors 10 hp at 230240 V AC 60 Hz for 1 phase motors
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	110 V AC 50/60 Hz
Auxiliary contact composition	1 NO + 1 NC
[Uimp] rated impulse withstand voltage	8 kV IEC 60947
Overvoltage category	III
[Ith] conventional free air thermal current	10 A (at 140 °F (60 °C)) for signalling 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 1000 A at 440 V for power circuit conforming to IEC 60947-4
Rated breaking capacity	1000 A at 220/415/440 V for power circuit conforming to IEC 60947 1000 A at 500 V conforming to IEC 60947 630 A at 690 V 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.

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[Icw] rated short-time withstand current	100 A - 1 s for signalling circuit
current	120 A - 500 ms for signalling circuit
	140 A - 100 ms for signalling circuit
	520 A 104 °F (40 °C) - 10 s for power circuit 900 A 104 °F (40 °C) - 1 s for power circuit
	110 A 104 °F (40 °C) - 10 min for power circuit
	260 A 104 °F (40 °C) - 1 min for power circuit
Associated fuse rating	10 A gG for signalling circuit conforming to IEC 60947-5-1
Average impedance	1 mOhm - Ith 80 A 50 Hz for power circuit
[Ui] rated 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 Power circuit 1000 V IEC 60947-4-1
Electrical durability	4.4 Maurileo 20.4 AC 4.5- 440.V
Electrical durability	1.4 Mcycles 80 A AC-1 <= 440 V 1.5 Mcycles 65 A AC-3 <= 440 V
Power dissipation per pole	6.4 W AC-1
rower dissipation per pole	4.2 W AC-3
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
	UL 500
Product certifications	BV
	CCC
	CSA
	DNV GL
	RINA
	UL
	EAC
	UKCA
Connections - terminals	Control circuit screw clamp terminals 1 0.0020.006 in ² (14 mm ²)flexible without
	cable end
	Control circuit screw clamp terminals 2 0.0020.006 in ² (14 mm ²)flexible without cable end
	Control circuit screw clamp terminals 1 0.0020.006 in ² (14 mm ²)flexible with cable end
	Control circuit screw clamp terminals 2 0.0020.004 in ² (12.5 mm ²)flexible with
	cable end Control circuit screw clamp terminals 1 0.0020.006 in ² (14 mm ²)solid without
	cable end Control circuit screw clamp terminals 2 0.002���0.006 in² (1…4 mm²)solid without
	control circuit screw clamp terminals 2 0.002 ♥ ♥ 0.006 In- (14 mm ⁻)solid without cable end
	Power circuit screw clamp terminals 1 0.0040.04 in ² (2.525 mm ²)flexible without cable end
	Power circuit screw clamp terminals 2 0.0040.02 in² (2.516 mm²)flexible without
	cable end Power circuit screw clamp terminals 1 0.0040.04 in ² (2.525 mm ²)flexible with
	cable end
	Power circuit screw clamp terminals 2 0.0040.02 in ² (2.510 mm ²)flexible with cable end
	Power circuit screw clamp terminals 1 0.0040.04 in ² (2.525 mm ²)solid without cable and
	Power circuit screw clamp terminals 1 0.0040.04 in ² (2.525 mm ²)solid without cable end Power circuit screw clamp terminals 2 0.0040.02 in ² (2.516 mm ²)solid without cable end
	cable end Power circuit screw clamp terminals 2 0.0040.02 in ² (2.516 mm ²)solid without cable end
Tightening torque	cable end Power circuit screw clamp terminals 2 0.0040.02 in ² (2.516 mm ²)solid without cable end Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals flat Ø 6 mm
Tightening torque	cable end Power circuit screw clamp terminals 2 0.0040.02 in ² (2.516 mm ²)solid without cable end

Operating time	2026 ms closing 812 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	16000000 cycles
Maximum operating rate	3600 cyc/h 131.0000000000 °F (55 °C)

Complementary

Coil technology	Built-in bidirectional peak limiting diode suppressor
Control circuit voltage limits	0.30.6 Uc -40158 °F (-4070 °C) drop-out AC 50/60 Hz 0.81.1 Uc -40131 °F (-4055 °C) operational AC 50 Hz 0.851.1 Uc -40131 °F (-4055 °C) operational AC 60 Hz 11.1 Uc 131158 °F (5570 °C) operational AC 50/60 Hz
Inrush power in VA	200 VA 50 Hz 0.75 68.0000000000 °F (20 °C)) 220 VA 60 Hz 0.75 68.0000000000 °F (20 °C))
Heat dissipation	610 W 50/60 Hz
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	
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	-76176 °F (-6080 °C)	
Operating altitude	09842.52 ft (03000 m)	
Fire resistance	1760 °F (960 °C) IEC 60695-2-1	
Flame retardance	V1 conforming to UL 94	
Mechanical robustness	Vibrations contactor open2 Gn, 5300 Hz Shocks contactor closed10 Gn for 11 ms Shocks contactor open8 Gn for 11 ms Vibrations contactor closed3 Gn, 5300 Hz	
Height	5.000000000 in (127 mm)	
Width	6.5 in (165 mm)	
Depth	5.6 in (142 mm)	
Net Weight	5.3 lb(US) (2.4 kg)	

Ordering and shipping details

Category

Discount Schedule	0112
GTIN	3389110462272
Returnability	No
Country of origin	FR

Packing Units

•	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.480 in (19.000 cm)
Package 1 Width	7.283 in (18.500 cm)
Package 1 Length	9.843 in (25.000 cm)
Package 1 Weight	7.200 lb(US) (3.266 kg)
Unit Type of Package 2	S03
Number of Units in Package 2	2
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	15.327 lb(US) (6.952 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	16
Package 3 Height	29.528 in (75.000 cm)
Package 3 Width	31.496 in (80.000 cm)
Package 3 Length	23.622 in (60.000 cm)
Package 3 Weight	140.249 lb(US) (63.616 kg)

Contractual warranty

Warranty

18 months

Sustainability Screen

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.

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Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Reach Free Of Svhc
Toxic Heavy Metal Free
Mercury Free
Rohs Exemption Information Yes
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	No need of specific recycling operations
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