

Product data sheet

Specifications



Reversing Contactor, TeSys Deca, 3P(3NO), AC-3, <=440V, 40A, 120V AC 60Hz coil

LC2D40G7

Product availability: Stock - Normally stocked in distribution facility

Main

Range	TeSys
Product name	TeSys Deca
Product or Component Type	Reversing contactor
Device short name	LC2D
Contactor application	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 25...400 Hz
[Ie] rated operational current	40 A (at <131 °F (55 °C)) at <= 440 V AC AC-3 for power circuit 60 A (at <104 °F (40 °C)) at <= 440 V AC AC-1 for power circuit
Motor power kW	18.5 kW at 380...400 V AC 50 Hz 11 kW at 220...230 V AC 50 Hz 22 kW at 500 V AC 50 Hz 30 kW at 660...690 V AC 50 Hz 22 kW at 440 V AC 50 Hz 22 kW at 415 V AC 50 Hz
Maximum Horse Power Rating	10 hp at 200/208 V AC 60 Hz for 3 phase motors 3 hp at 115 V AC 60 Hz for 1 phase motors 30 hp at 575...600 V AC 60 Hz for 3 phase motors 30 hp at 460...480 V AC 60 Hz for 3 phase motors 10 hp at 220...240 V AC 60 Hz for 3 phase motors 5 hp at 230...240 V AC 60 Hz for 1 phase motors
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	120 V AC 50/60 Hz
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 control circuit 60 A (at 140 °F (60 °C)) for power circuit
Irms rated making capacity	140 A AC for control circuit conforming to IEC 60947-5-1 800 A at 440 V for power circuit conforming to IEC 60947
Rated breaking capacity	800 A at 440 V for power circuit conforming to IEC 60947
Associated fuse rating	10 A gG for control circuit conforming to IEC 60947-5-1 80 A gG at <= 690 V coordination type 1 for power circuit 80 A gG at <= 690 V coordination type 2 for power circuit
Average impedance	- Ith 60 A 50 Hz 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.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

[Ui] rated insulation voltage	Control circuit 600 V CSA Control circuit 600 V UL Power circuit 600 V CSA Power circuit 600 V UL Control circuit 690 V IEC 60947-1 Power circuit 690 V IEC 60947-1
Front cover	With
Interlocking type	Mechanical
Mounting Support	Rail Plate
Product Certifications	GOST CCC GL LROS (Lloyds register of shipping) BV UL DNV RINA CSA
Connections - terminals	Control circuit screw clamp terminals 1 0.002...0.006 in² (1...4 mm²)flexible with cable end Control circuit screw clamp terminals 1 0.002...0.006 in² (1...4 mm²)flexible without cable end Control circuit screw clamp terminals 1 0.002...0.006 in² (1...4 mm²)solid without cable end Control circuit screw clamp terminals 2 0.002...0.004 in² (1...2.5 mm²)flexible with cable end Control circuit screw clamp terminals 2 0.002...0.006 in² (1...4 mm²)flexible without cable end Control circuit screw clamp terminals 2 0.002...0.006 in² (1...4 mm²)solid without cable end Power circuit screw clamp terminals 1 0.002...0.05 in² (1...35 mm²)flexible with cable end Power circuit screw clamp terminals 1 0.002...0.05 in² (1...35 mm²)flexible without cable end Power circuit screw clamp terminals 1 0.002...0.05 in² (1...35 mm²)solid without cable end Power circuit screw clamp terminals 2 0.002...0.04 in² (1...25 mm²)flexible with cable end Power circuit screw clamp terminals 2 0.002...0.04 in² (1...25 mm²)flexible without cable end Power circuit screw clamp terminals 2 0.002...0.04 in² (1...25 mm²)solid without cable end Power circuit screw clamp terminals 2 0.002...0.05 in² (1...35 mm²)flexible with cable end Power circuit screw clamp terminals 2 0.002...0.05 in² (1...35 mm²)flexible without cable end Power circuit screw clamp terminals 2 0.002...0.05 in² (1...35 mm²)solid without cable end
Tightening torque	Control circuit 15.05 lbf.in (1.7 N.m) 0.002...0.004 in² (1...2.5 mm²) flat Ø 6 mm Control circuit 15.05 lbf.in (1.7 N.m) 0.002...0.004 in² (1...2.5 mm²) Philips No 2 Control circuit 15.05 lbf.in (1.7 N.m) 0.002...0.006 in² (1...4 mm²) flat Ø 6 mm Control circuit 15.05 lbf.in (1.7 N.m) 0.002...0.006 in² (1...4 mm²) Philips No 2 Power circuit 44.3 lbf.in (5 N.m) 0.002...0.04 in² (1...25 mm²) hexagonal Power circuit 70.8 lbf.in (8 N.m) 0.002...0.05 in² (1...35 mm²) hexagonal
Operating time	12...26 ms closing 4...19 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	6000000 cycles
Maximum operating rate	3600 cyc/h 140 °F (60 °C)

Complementary

Coil technology	Without built-in bidirectional peak limiting diode suppressor
Inrush power in VA	200 VA cos phi 0.75 (at 68 °F (20 °C)) 220 VA cos phi 0.75 (at 68 °F (20 °C))

Hold-in power consumption in VA	20 VA 50 Hz cos phi 0.3 (at 68 °F (20 °C)) 22 VA 60 Hz cos phi 0.3 (at 68 °F (20 °C)) 26 VA 50 Hz cos phi 0.3 (at 68 °F (20 °C)) 26 VA 60 Hz cos phi 0.3 (at 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
Minimum switching current	5 mA for control circuit
Minimum switching voltage	17 V for control circuit
Non-overlap time	1.5 ms on de-energisation between NC and NO contacts 1.5 ms on energisation between NC and NO contacts
Insulation resistance	> 10 MOhm for control circuit

Environment

Ambient Air Temperature for Storage	-76...176 °F (-60...80 °C)
Operating altitude	9842.52 ft (3000 m) without derating
Fire resistance	1562 °F (850 °C) IEC 60695-2-1
Flame retardance	V1 conforming to UL 94
Height	5.2 in (132 mm)
Width	6.5 in (165 mm)
Depth	5.6 in (142 mm)
Product Weight	5.3 lb(US) (2.4 kg)

Ordering and shipping details

Category	US10I1222357
Discount Schedule	0I12
GTIN	3389110455250
Returnability	Yes
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	7.500 in (19.050 cm)
Package 1 Width	7.500 in (19.050 cm)
Package 1 Length	10.000 in (25.400 cm)
Package weight(Lbs)	7.101 lb(US) (3.221 kg)
Unit Type of Package 2	CAR
Number of Units in Package 2	2
Package 2 Height	11.500 in (29.210 cm)
Package 2 Width	11.800 in (29.972 cm)
Package 2 Length	15.800 in (40.132 cm)
Package 2 Weight	15.190 lb(US) (6.890 kg)

Contractual warranty



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

Total lifecycle Carbon footprint	97 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	12 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.3 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	80 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	4 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant
REACH Regulation	Free of Substances of Very High Concern above the threshold
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
PVC free	Yes

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	76
Circularity Profile	No need of specific recycling operations
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.