

Product data sheet

Specifications



Reversing Contactor, TeSys Deca, 3P(3NO), AC-3, IEC, <=440V, 65A, 120V AC 60Hz coil

LC2D65G7

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

⚠ Discontinued

Main

Range of Product	TeSys Deca
Product or Component Type	Reversing contactor
Device short name	LC2D
Contactor application	Motor control
Utilisation category	AC-2 AC-3 AC-4
Control circuit type	AC
Coil type	Standard
Poles description	3P
Pole contact composition	3 NO
[Ie] rated operational current	Power circuit 65 A AC AC-3 140 °F (60 °C))
Motor power kW	30 kW 380...400 V AC 50/60 Hz 37 kW 415 V AC 50/60 Hz 37 kW 440 V AC 50/60 Hz 37 kW 500 V AC 50/60 Hz 37 kW 660...690 V AC 50/60 Hz 18.5 kW 220...240 V AC 50/60 Hz
[Uc] control circuit voltage	120 V AC 50/60 Hz
Connections - terminals	Control circuit 1 0.002...0.006 in² (1...4 mm²)flexible with cable end Control circuit 1 0.002...0.006 in² (1...4 mm²)flexible without cable end Control circuit 1 0.002...0.006 in² (1...4 mm²)solid without cable end Control circuit 2 0.002...0.004 in² (1...2.5 mm²)flexible with cable end Control circuit 2 0.002...0.006 in² (1...4 mm²)flexible without cable end Control circuit 2 0.002...0.006 in² (1...4 mm²)solid without cable end Power circuit 1 0.002...0.05 in² (1...35 mm²)flexible with cable end Power circuit 1 0.002...0.05 in² (1...35 mm²)flexible without cable end Power circuit 1 0.002...0.05 in² (1...35 mm²)solid without cable end Power circuit 2 0.002...0.04 in² (1...25 mm²)flexible with cable end Power circuit 2 0.002...0.04 in² (1...25 mm²)flexible without cable end Power circuit 2 0.002...0.04 in² (1...25 mm²)solid without cable end Power circuit 2 0.002...0.05 in² (1...35 mm²)flexible with cable end Power circuit 2 0.002...0.05 in² (1...35 mm²)flexible without cable end Power circuit 2 0.002...0.05 in² (1...35 mm²)solid without cable end

Complementary

Assembly style	Ready assembled
Coil technology	Without built-in bidirectional peak limiting diode suppressor
Protective cover	With
Auxiliary contacts type	Mechanically linked 1 NO + 1 NC IEC 60947-5-1 Mirror contact 1 NC IEC 60947-4-1

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

Auxiliary contact composition	1 NO + 1 NC
Interlocking type	Mechanical
Control circuit voltage limits	Drop-out: 0.3...0.6 U _c at 50/60 Hz (at <140 °F (60 °C)) Operational: 0.8...1.1 U _c at 50 Hz (at <140 °F (60 °C)) Operational: 0.85...1.1 U _c at 60 Hz (at <140 °F (60 °C))
[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
[Uimp] rated impulse withstand voltage	6 kV IEC 60947
Overvoltage category	III
Mounting Support	Plate Rail
Flame retardance	V1 conforming to UL 94
Tightening torque	Control circuit 15.05 lbf.in (1.7 N.m) 0.002...0.004 in ² (1...2.5 mm ²) flat Ø 6 mm Control circuit 15.05 lbf.in (1.7 N.m) 0.002...0.004 in ² (1...2.5 mm ²) Phillips No 2 Control circuit 15.05 lbf.in (1.7 N.m) 0.002...0.006 in ² (1...4 mm ²) flat Ø 6 mm Control circuit 15.05 lbf.in (1.7 N.m) 0.002...0.006 in ² (1...4 mm ²) Phillips No 2 Power circuit 44.3 lbf.in (5 N.m) 0.002...0.04 in ² (1...25 mm ²) hexagonal Power circuit 70.8 lbf.in (8 N.m) 0.002...0.05 in ² (1...35 mm ²) hexagonal
[Ue] rated operational voltage	Power circuit <= 1000 V AC 25...400 Hz
[Ith] conventional free air thermal current	10 A (at 140 °F (60 °C)) for control circuit 80 A (at 140 °F (60 °C)) for power circuit
Irms rated making capacity	1000 A at 440 V for power circuit conforming to IEC 60947 140 A AC for control circuit conforming to IEC 60947-5-1
Rated breaking capacity	1000 A at 440 V for power circuit conforming to IEC 60947
Associated fuse rating	10 A gG for control circuit conforming to IEC 60947-5-1 125 A gG at <= 690 V coordination type 2 for power circuit 160 A gG at <= 690 V coordination type 1 for power circuit
Average impedance	- Ith 80 A 50 Hz for power circuit
Power dissipation per pole	6.3 W AC-3 - Ith 80 A
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))
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)
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
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)

Environment

Standards	IEC 60947-5-1 EN 60947-4-1 CSA C22.2 No 14 EN 60947-5-1 UL 508 IEC 60947-4-1
Product Certifications	UL GOST DNV LROS (Lloyds register of shipping) CCC BV RINA CSA GL UKCA
IP degree of protection	IP2X IEC 60529 IP2X VDE 0106
Protective treatment	TH 3)IEC 60068
Ambient air temperature for operation	23...140 °F (-5...60 °C)
Ambient Air Temperature for Storage	-76...176 °F (-60...80 °C)
Permissible ambient air temperature around the device	-40...158 °F (-40...70 °C) at Uc
Operating altitude	9842.52 ft (3000 m) without derating
Fire resistance	1562 °F (850 °C) IEC 60695-2-1
Shock resistance	10 gn contactor closed 8 gn contactor opened
Vibration resistance	2 gn 5...300 Hz contactor opened 3 gn 5...300 Hz contactor closed
Heat dissipation	6...10 W at 50/60 Hz for control circuit

Ordering and shipping details

Category	US10I1222357
Discount Schedule	0I12
GTIN	3389110462326
Returnability	Yes
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	10.04 in (25.5 cm)
Package 1 Width	7.28 in (18.5 cm)
Package 1 Length	7.48 in (19.0 cm)
Package 1 Weight	7.266 lb(US) (3.296 kg)

Contractual warranty

Warranty

18 months

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	
Carbon footprint (kg CO2 eq, Total Life cycle)	136
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	REACH Declaration
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 Again

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