

Reversing contactor, TeSys Deca Advanced, 3P(3NO), AC-3/3e, <=440V, 65A, 24V DC coil, EverLink BTR screws

LC2D65ABBE

Product availability: Stock - Normally stocked in distribution facility

Main

Product name	TeSys Deca Advanced	
Product or Component Type	Reversing contactor	
Device short name	LC2D	
Contactor application	Motor control Resistive load	
Utilisation category	40.0	
ounsation 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	
[le] rated operational current	80 A (at <140 °F (60 °C)) at <= 440 V AC-1 for power circuit	
	65 A (at <140 °F (60 °C)) at <= 440 V AC-3 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 415 V AC 50 Hz	
	37 kW at 440 V AC 50 Hz	
	37 kW at 500 V AC 50 Hz 37 kW at 660690 V AC 50 Hz	
	37 KW at 660690 V AC 50 HZ	
motor power HP (UL / CSA)	5 hp at 115 V AC 60 Hz for 1 phase motors	
	10 hp at 230/240 V AC 60 Hz for 1 phase motors	
	20 hp at 200/208 V AC 60 Hz for 3 phase motors	
	20 hp at 230/240 V AC 60 Hz for 3 phase motors	
	40 hp at 460/480 V AC 60 Hz for 3 phase motors	
	50 hp at 575/600 V AC 60 Hz for 3 phase motors	
Control circuit type	DC DC low consumption	
[Uc] control circuit voltage	24 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	
Current	80 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	
3 . ,	250 A DC for signalling circuit conforming to IEC 60947-5-1	
	1000 A at 440 V for power circuit conforming to IEC 60947	
Dated has aline a sure site.	4000 A 1440 V C	
Rated breaking capacity	1000 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.

[lcw] rated short-time withstand current	100 A - 1 s for signalling circuit 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 60947-5-1 125 A gG at <= 690 V coordination type 1 for power circuit 125 A gG at <= 690 V coordination type 2 for power circuit	
Average impedance	1.5 mOhm - Ith 80 A 50 Hz for power circuit	
[Ui] rated insulation voltage	Power circuit 690 V IEC 60947-4-1 Signalling circuit 690 V IEC 60947-1	
Electrical durability	1.8 Mcycles 57 A AC-3 <= 440 V 0.5 Mcycles 80 A AC-1 <= 440 V	
Power dissipation per pole	9.6 W AC-1 6.3 W AC-3	
Front cover	With	
Interlocking type	Mechanical	
Mounting Support	Rail Plate	
Standards	EN/IEC 60947-4-1 EN/IEC 60947-5-1 UL 60947-4-1 CSA C22.2 No 60947-4-1 IEC 60335-1	
Product certifications	CCC CSA EAC UL KC DNV-GL LROS (Lloyds register of shipping) UKCA	
Connections - terminals	Control circuit screw clamp terminals 1 0.0020.006 in² (14 mm²)flexible without cable end Control circuit screw clamp terminals 2 0.0020.006 in² (14 mm²)flexible without cable end Control circuit screw clamp terminals 1 0.0020.006 in² (14 mm²)flexible with cable end Control circuit screw clamp terminals 2 0.0020.004 in² (12.5 mm²)flexible with cable end Control circuit screw clamp terminals 1 0.0020.006 in² (14 mm²)solid Control circuit screw clamp terminals 2 0.0020.006 in² (14 mm²)solid Power circuit EverLink BTR screw connectors 1 0.0020.05 in² (135 mm²)flexible without cable end Power circuit EverLink BTR screw connectors 2 0.0020.04 in² (125 mm²)flexible without cable end Power circuit EverLink BTR screw connectors 1 0.0020.05 in² (135 mm²)flexible with cable end Power circuit EverLink BTR screw connectors 2 0.0020.04 in² (125 mm²)flexible with cable end Power circuit EverLink BTR screw connectors 1 0.0020.05 in² (135 mm²)flexible with cable end Power circuit EverLink BTR screw connectors 2 0.0020.05 in² (135 mm²)flexible with cable end Power circuit EverLink BTR screw connectors 2 0.0020.05 in² (135 mm²)solid Power circuit EverLink BTR screw connectors 2 0.0020.05 in² (135 mm²)solid	
Tightening torque	Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals flat Ø 6 mm Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Philips No 2 Power circuit 70.8 lbf.in (8 N.m) EverLink BTR screw connectors 0.040.05 in² (25 35 mm²) hexagonal 0.2 in (4 mm) Power circuit 44.3 lbf.in (5 N.m) EverLink BTR screw connectors 0.0020.04 in² (1 25 mm²) hexagonal 0.2 in (4 mm)	
Operating time	5565 ms closing 20120 ms opening >= 17221) 2080 ms opening >= 18011)	
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	6 Mcycles
Maximum operating rate	3600 cvc/h 140 °F (60 °C)

Complementary

Coil technology	Built-in bidirectional peak limiting	
Control circuit voltage limits	<= 0.1 Uc (-40158 °F (-4070 °C)):drop-out DC 0.81.2 Uc (-40140 °F (-4060 °C)):operational DC 11.2 Uc (140158 °F (6070 °C)):operational DC	
Inrush power in W	11 W 68 °F (20 °C)	
Hold-in power consumption in W	0.5 W 68 °F (20 °C)	
Heat dissipation	0.5 W	
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 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	-76176 °F (-6080 °C)	
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 open10 Gn for 11 ms Shocks contactor closed15 Gn for 11 ms	
Height	4.8 in (122 mm)	
Width	4.7 in (119 mm)	
Depth	4.7 in (120 mm)	
Net Weight	4.793 lb(US) (2.174 kg)	
color	Gray SE GREY 6) Green SE GREEN 2)	

Ordering and shipping details

Category	US10I1222356
Discount Schedule	0112

GTIN	3606480988196	
Returnability	Yes	
Country of origin	FR	

Packing Units

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	5.67 in (14.4 cm)	
Package 1 Width	6.38 in (16.2 cm)	
Package 1 Length	7.80 in (19.8 cm)	
Package 1 Weight	5.205 lb(US) (2.361 kg)	
Unit Type of Package 2	S03	
Number of Units in Package 2	4	
Package 2 Height	11.81 in (30 cm)	
Package 2 Width	11.81 in (30 cm)	
Package 2 Length	15.75 in (40 cm)	
Package 2 Weight	21.956 lb(US) (9.959 kg)	

Contractual warranty

Warranty 18 months



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)	80
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 with Exemptions
SCIP Number	9bb0b51e-73b5-4128-a86b-723dbbccfe86
REACh Regulation	REACh Declaration
Halogen content performance	Halogen free plastic parts and cables product

Use Again

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

Product data sheet

LC2D65ABBE

Technical Illustration

Assembly's dimensions



