

Product data sheet

Specifications



Capacitor contactor, Tesys Deca,
12.5kVAR at 400/415V 50Hz, 24V
AC 50/60Hz coil, screw clamp
terminals

LC1DFKB7

Main

Range	TeSys TeSys Deca
Product name	TeSys LC1D.K TeSys Deca
Product or component type	Capacitor duty contactor
Device short name	LC1DFK
Device application	Control
Contactor application	Power factor correction
Utilisation category	AC-6b
Poles description	3P
power pole contact composition	3 NO
[Ue] rated operational voltage	Power circuit: 690 V AC 50/60 Hz
Reactive power rating	7 kvar at 230 V AC 50 Hz 60 °C 12.5 kvar at 400 V AC 50 Hz 60 °C 13 kvar at 440 V AC 50 Hz 60 °C 21 kvar at 690 V AC 50 Hz 60 °C
Control circuit type	AC at 50/60 Hz
[Uc] control circuit voltage	24 V AC 50/60 Hz
Auxiliary contact composition	1 NO + 2 NC instantaneous
Electrical durability	300000 cycles at Ue 400 V 200000 cycles at Ue 690 V
Mounting support	DIN rail Plate
Standards	EN/IEC 60947-1 EN/IEC 60947-4-1 IEC 60335-1
Product certifications	IECEE CB Scheme UKCA

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

Connections - terminals	Control circuit: screw clamp terminals 1 1...4 mm² - cable stiffness: solid Control circuit: screw clamp terminals 2 1...4 mm² - cable stiffness: solid Control circuit: screw clamp terminals 1 1...4 mm² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 1...4 mm² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 1...4 mm² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 2 1...2.5 mm² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 1 1.5...6 mm² - cable stiffness: solid Power circuit: screw clamp terminals 2 1.5...4 mm² - cable stiffness: solid Power circuit: screw clamp terminals 1 1.5...6 mm² - cable stiffness: flexible without cable end Power circuit: screw clamp terminals 2 1.5...6 mm² - cable stiffness: flexible without cable end Power circuit: screw clamp terminals 1 1.5...6 mm² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 2 1.5...4 mm² - cable stiffness: flexible with cable end
Tightening torque	Control circuit: 1.7 N.m - on screw clamp terminals Power circuit: 1.7 N.m - on screw clamp terminals
Maximum operating rate	240 cyc/h

Complementary

Auxiliary contacts type	type mechanically linked 1 NO + 2 NC conforming to IEC 60947-5-1
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Environment

IP degree of protection	IP20 front face conforming to IEC 60529
Ambient air temperature for operation	-5...60 °C
Ambient air temperature for storage	-60...80 °C
Operating altitude	0...3000 m
Height	115 mm
Width	45 mm
Depth	121 mm
Product weight	0.53 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.700 cm
Package 1 Width	19.330 cm
Package 1 Length	22.500 cm
Package 1 Weight	542.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	6
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	4.040 kg

Contractual warranty

Warranty	18 months
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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	1
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: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Use Again

Repack and remanufacture	
End of life manual availability	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

Technical Illustration

Assembly's dimensions

