Product datasheet

Specifications



Capacitor contactor, TeSys D, 16.7 kVAR at 400 V/50 Hz, coil 220 V AC 50/60 Hz

LC1DGKM7

Main

Range	TeSys TeSys Deca
Product name	TeSys LC1D.K TeSys Deca
Product or component type	Capacitor duty contactor
Device short name	LC1DGK
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	9.5 kvar at 230 V AC 50 Hz 60 °C 16.7 kvar at 400 V AC 50 Hz 60 °C 18 kvar at 440 V AC 50 Hz 60 °C 28.5 kvar at 690 V AC 50 Hz 60 °C
Control circuit type	AC at 50/60 Hz
[Uc] control circuit voltage	220 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 2.5…16 mm² - cable stiffness: solid Power circuit: screw clamp terminals 2 2.5…6 mm² - cable stiffness: solid Power circuit: screw clamp terminals 1 1.5…10 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…10 mm² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 2 1…4 mm² - cable stiffness: flexible with cable end
Tightening torque	Control circuit: 1.7 N.m - on screw clamp terminals Power circuit: 2.5 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

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	125 mm
Width	45 mm
Depth	127 mm
Product weight	0.6 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.800 cm
Package 1 Width	19.500 cm
Package 1 Length	22.800 cm
Package 1 Weight	599.000 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	4.075 kg
Unit Type of Package 3	P06

Number of Units in Package 3	48
Package 3 Height	75.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	40.600 kg

Contractual warranty

Warranty (in months)	18

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	**0 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**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**67**
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**