Product data sheet

Specifications



Capacitor contactor, Tesys Deca, 63kVAR at 400/415V 50Hz, 220V AC 50/60Hz coil, screw clamp terminals

LC1DWK12M7

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

Main

Range	TeSys
Product name	TeSys LC1D.K TeSys Deca
Product or Component Type	Capacitor duty contactor
Device short name	LC1DWK
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	35 kvar 230 V AC 50 Hz 140 °F (60 °C) 63 kvar 400 V AC 50 Hz 140 °F (60 °C) 67 kvar 440 V AC 50 Hz 140 °F (60 °C) 104 kvar 690 V AC 50 Hz 140 °F (60 °C) 30 kvar 230 V AC 60 Hz 140 °F (60 °C) 60 kvar 460 V AC 60 Hz 140 °F (60 °C) 80 kvar 575 V AC 60 Hz 140 °F (60 °C)
Control circuit type	AC 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 400 V 200000 cycles 690 V
Mounting Support	DIN rail Plate
Standards	EN/IEC 60947-1 EN/IEC 60947-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1
Product Certifications	IECEE CB Scheme UL CSA 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

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Connections - terminals	Control circuit: screw clamp terminals 1 0.002…0.006 in² (1…4 mm²) - cable stiffness: solid Control circuit: screw clamp terminals 2 0.002…0.006 in² (1…4 mm²) - cable stiffness: solid Control circuit: screw clamp terminals 1 0.002…0.006 in² (1…4 mm²) - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 0.002…0.006 in² (1…4 mm²) - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 0.002…0.006 in² (1…4 mm²) - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 2 0.002…0.004 in² (1…2.5 mm²) - cable stiffness: flexible with cable end Power circuit: connector 1 0.006…0.08 in² (4…50 mm²) - cable stiffness: solid Power circuit: connector 2 0.006…0.04 in² (4…25 mm²) - cable stiffness: solid Power circuit: connector 1 0.006…0.08 in² (4…50 mm²) - cable stiffness: flexible without cable end Power circuit: connector 2 0.006…0.04 in² (4…25 mm²) - cable stiffness: flexible without cable end Power circuit: connector 1 0.006…0.08 in² (4…50 mm²) - cable stiffness: flexible with cable end Power circuit: connector 2 0.006…0.02 in² (4…16 mm²) - cable stiffness: flexible with cable end
Tightening torque	Power circuit 79.7 lbf.in (9 N.m) connector Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals
Maximum operating rate	100 cyc/h

Complementary

Auxiliary contacts type	Mechanically linked 1 NO + 2 NC IEC 60947-5-1

Environment

IP degree of protection	IP20 front face IEC 60529
Ambient Air Temperature for Operation	23…140 °F (-5…60 °C)
Ambient Air Temperature for Storage	-76…176 °F (-60…80 °C)
Operating altitude	0...9842.52 ft (0...3000 m)
Height	7.09 in (180 mm)
Width	3.3 in (85 mm)
Depth	6.06 in (154 mm)
Net Weight	3.64 lb(US) (1.65 kg)

Ordering and shipping details

Category	US1CTR121252
Discount Schedule	CTR1
GTIN	3389110060539
Returnability	No
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	7.480 in (19.000 cm)
Package 1 Width	5.197 in (13.200 cm)
Package 1 Length	6.693 in (17.000 cm)

Package weight(Lbs)	3.937 lb(US) (1.786 kg)
Unit Type of Package 2	S06
Number of Units in Package 2	48
Package 2 Height	29.528 in (75.000 cm)
Package 2 Width	23.622 in (60.000 cm)
Package 2 Length	31.496 in (80.000 cm)
Package 2 Weight	210.251 lb(US) (95.368 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	**97 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**11 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.5 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]	**81 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**5 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: 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 Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

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