Product data sheet

Specifications

Discontinued

Capacitor contactor, Tesys Deca, 25kVAR at 400/415V 50Hz, 48V AC 50/60Hz coil

LC1DMKE7

Discontinued on: May 12, 2023

Main

Range	TeSys
Product name	TeSys LC1D.K TeSys Deca
Product or component type	Capacitor duty contactor
Device short name	LC1DMK
Device application	Control
Contactor application	Power factor correction
Utilisation category	AC-6b
Poles description	3P
power pole contact composition	3 NO
Device location in system	Inside delta interruption Line interruption
[Ue] rated operational voltage	Power circuit 690 V AC 50/60 Hz
Reactive power rating	14 kvar 230 V AC 50 Hz 140 °F (60 °C) 25 kvar 400 V AC 50 Hz 140 °F (60 °C) 27 kvar 440 V AC 50 Hz 140 °F (60 °C) 42 kvar 690 V AC 50 Hz 140 °F (60 °C)
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	48 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
Product certifications	IECEE CB Scheme

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: screw clamp terminals 1 0.004…0.02 in² (2.5…16 mm²) - cable stiffness: solid Power circuit: screw clamp terminals 2 0.004…0.009 in² (2.5…6 mm²) - cable stiffness: solid Power circuit: screw clamp terminals 1 0.002…0.02 in² (1.5…10 mm²) - cable stiffness: flexible without cable end Power circuit: screw clamp terminals 2 0.002…0.009 in² (1.5…6 mm²) - cable stiffness: flexible without cable end Power circuit: screw clamp terminals 1 0.002…0.02 in² (1…10 mm²) - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 2 0.002…0.006 in² (1…4 mm²) - cable stiffness: flexible with cable end
Tightening torque	Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Power circuit 22.1 lbf.in (2.5 N.m) screw clamp terminals
Maximum operating rate	240 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...3000 m
Height	4.9 in (125 mm)
Width	1.8 in (45 mm)
Depth	5 in (127 mm)
Net weight	1.39 lb(US) (0.63 kg)

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.8 in (7 cm)
Package 1 Width	7.9 in (20 cm)
Package 1 Length	9.06 in (23 cm)
Package 1 Weight	21.7 oz (615 g)

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 >

Use Better

Materials and Substances

EU RoHS Directive	Compliant

Use Longer

Lifetime extension

Repair	No

Use Again

Repack and remanufacture

WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins