

Product data sheet

Specifications



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

LC1DVK12M5

Main

Range	TeSys
Product name	TeSys LC1D.K TeSys Deca
Product or component type	Capacitor duty contactor
Device short name	LC1DVK
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 at 230 V AC 50/60 Hz 60 °C 63 kvar at 400...415 V AC 50/60 Hz 60 °C 67 kvar at 440 V AC 50/60 Hz 60 °C 104 kvar at 660...690 V AC 50/60 Hz 60 °C
Control circuit type	AC at 50 Hz
[Uc] control circuit voltage	220 V AC 50 Hz
Auxiliary contact composition	1 NO + 2 NC for signalling circuit
Electrical durability	300000 cycles at Ue 400 V 200000 cycles at Ue 690 V
Mounting support	DIN rail Plate
Standards	UL 60947-4-1 CSA C22.2 No 60947-4-1 IEC 60947-4-1 IEC 60831 IEC 60070
Product certifications	UL CSA IEC UKCA
Connections - terminals	Power circuit: connector 1 4...50 mm ² - cable stiffness: solid Power circuit: connector 2 4...25 mm ² - cable stiffness: solid Power circuit: connector 1 4...50 mm ² - cable stiffness: flexible without cable end Power circuit: connector 2 4...25 mm ² - cable stiffness: flexible without cable end Power circuit: connector 1 4...50 mm ² - cable stiffness: flexible with cable end Power circuit: connector 2 4...16 mm ² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 1...4 mm ² - cable stiffness: solid Control circuit: screw clamp terminals 2 1...4 mm ² - cable stiffness: solid Control circuit: screw clamp terminals 1 1...4 mm ² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 1...4 mm ² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 1...2.5 mm ² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 2 1...2.5 mm ² - cable stiffness: flexible with cable end

Tightening torque	Power circuit: 9 N.m - on connector Control circuit: 1.7 N.m - on screw clamp terminal
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Maximum operating rate	100 cyc/h
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Complementary

Auxiliary contacts type	type mechanically linked 1 NO + 2 NC conforming to IEC 60947-5-1 type mirror contact 1 NC conforming to IEC 60947-4-1
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Environment

IP degree of protection	IP20 conforming to IEC 60529
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Protective treatment	TH conforming to IEC 60068-2-30
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Ambient air temperature for operation	-5...60 °C
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Ambient air temperature for storage	-60...80 °C
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Operating altitude	0...3000 m
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Height	180 mm
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Width	85 mm
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Depth	157 mm
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Net weight	1.65 kg
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Packing Units

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
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Package 1 Height	19.0 cm
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Package 1 Width	13.2 cm
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Package 1 Length	17.0 cm
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Package 1 Weight	1.786 kg
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Unit Type of Package 2	S03
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Number of Units in Package 2	4
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Package 2 Height	30.0 cm
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Package 2 Width	30.0 cm
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Package 2 Length	40.0 cm
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Package 2 Weight	7.583 kg
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Offer Sustainability

Sustainable offer status	Green Premium product
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REACH Regulation	REACH Declaration
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REACH free of SVHC	Yes
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EU RoHS Directive	Compliant EU RoHS Declaration
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Toxic heavy metal free	Yes
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Mercury free	Yes
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China RoHS Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
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RoHS exemption information	Yes
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Environmental Disclosure	Product Environmental Profile
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WEEE

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

Contractual warranty

Warranty

18 months

Recommended replacement(s)