

Product data sheet

Specifications



Capacitor contactor, TeSys Deca, 63 kVAR 400V/50Hz, 110V AC coil

LC1DWK12F7

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 at 230 V AC 50 Hz 60 °C 63 kvar at 400 V AC 50 Hz 60 °C 67 kvar at 440 V AC 50 Hz 60 °C 104 kvar at 690 V AC 50 Hz 60 °C 30 kvar at 230 V AC 60 Hz 60 °C 60 kvar at 460 V AC 60 Hz 60 °C 80 kvar at 575 V AC 60 Hz 60 °C
Control circuit type	AC at 50/60 Hz
[Uc] control circuit voltage	110 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 UL 60947-4-1 CSA C22.2 No 60947-4-1
Product certifications	IECEE CB Scheme UL CSA UKCA
Connections - terminals	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...4 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 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 mm² - cable stiffness: flexible without cable end
 Power circuit: connector 1 4...50 mm² - cable stiffness: flexible with cable end
 Power circuit: connector 2 4...16 mm² - cable stiffness: flexible with cable end

Tightening torque	Power circuit: 9 N.m - on connector Control circuit: 1.7 N.m - on screw clamp terminals
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Maximum operating rate	240 cyc/h
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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
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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	154 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	13.2 cm
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Package 1 Width	17.0 cm
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Package 1 Length	18.5 cm
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Package 1 Weight	1.714 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 cm
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Package 2 Width	30 cm
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Package 2 Length	40 cm
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Package 2 Weight	7.603 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
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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
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Contractual warranty

Warranty	18 months
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Recommended replacement(s)