

# Product data sheet

Specifications



## Capacitor contactor, Tesys Deca, 63kVAR at 400/415V 50Hz, 230V AC 50/60Hz coil

LC1DWK12P7

### 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	230 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 <sup>2</sup> - cable stiffness: solid Control circuit: screw clamp terminals 2 1...4 mm <sup>2</sup> - cable stiffness: solid Control circuit: screw clamp terminals 1 1...4 mm <sup>2</sup> - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 1...4 mm <sup>2</sup> - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 1...4 mm <sup>2</sup> - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 2 1...2.5 mm <sup>2</sup> - cable stiffness: flexible with cable end Power circuit: connector 1 4...50 mm <sup>2</sup> - cable stiffness: solid Power circuit: connector 2 4...25 mm <sup>2</sup> - cable stiffness: solid Power circuit: connector 1 4...50 mm <sup>2</sup> - cable stiffness: flexible without cable end

Power circuit: connector 2 4...25 mm<sup>2</sup> - cable stiffness: flexible without cable end  
Power circuit: connector 1 4...50 mm<sup>2</sup> - cable stiffness: flexible with cable end  
Power circuit: connector 2 4...16 mm<sup>2</sup> - cable stiffness: flexible with cable end

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<b>Tightening torque</b>	Power circuit: 12 N.m - on connector Control circuit: 1.7 N.m - on screw clamp terminals
<b>Maximum operating rate</b>	240 cyc/h

## Complementary

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<b>Auxiliary contacts type</b>	type mechanically linked 1 NO + 2 NC conforming to IEC 60947-5-1
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## Environment

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<b>IP degree of protection</b>	IP20 front face conforming to IEC 60529
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<b>Ambient air temperature for operation</b>	-5...60 °C
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<b>Ambient air temperature for storage</b>	-60...80 °C
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<b>Operating altitude</b>	0...3000 m
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<b>Height</b>	180 mm
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<b>Width</b>	85 mm
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<b>Depth</b>	154 mm
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<b>Product weight</b>	1.65 kg
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## Packing Units

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<b>Unit Type of Package 1</b>	PCE
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<b>Number of Units in Package 1</b>	1
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<b>Package 1 Height</b>	13.000 cm
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<b>Package 1 Width</b>	17.000 cm
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<b>Package 1 Length</b>	18.500 cm
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<b>Package 1 Weight</b>	1.790 kg
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<b>Unit Type of Package 2</b>	P06
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<b>Number of Units in Package 2</b>	48
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<b>Package 2 Height</b>	75.000 cm
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<b>Package 2 Width</b>	80.000 cm
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<b>Package 2 Length</b>	60.000 cm
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<b>Package 2 Weight</b>	93.920 kg
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## Offer Sustainability

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<b>Sustainable offer status</b>	Green Premium product
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<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
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<b>REACH free of SVHC</b>	Yes
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<b>EU RoHS Directive</b>	Compliant
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[EU RoHS Declaration](#)

<b>Toxic heavy metal free</b>	Yes
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<b>Mercury free</b>	Yes
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<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)
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<b>RoHS exemption information</b>	<a href="#">Yes</a>
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<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
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<b>WEEE</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
<b>California proposition 65</b>	<b>WARNING:</b> 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

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## Contractual warranty

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<b>Warranty</b>	18 months
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## Recommended replacement(s)