

# Product data sheet

Specifications



## Capacitor contactor, TeSys Deca, 30kVAR at 400/415V 50Hz, 110V AC 50/60Hz coil

LC1DPKF7

### Main

<b>Range</b>	TeSys TeSys Deca
<b>Product name</b>	TeSys LC1D.K TeSys Deca
<b>Product or component type</b>	Capacitor duty contactor
<b>Device short name</b>	LC1DPK
<b>Device application</b>	Control
<b>Contactor application</b>	Power factor correction
<b>Utilisation category</b>	AC-6b
<b>Poles description</b>	3P
<b>Power pole contact composition</b>	3 NO
<b>Device location in system</b>	Inside delta interruption Line interruption
<b>[Ue] rated operational voltage</b>	Power circuit: 690 V AC 50/60 Hz
<b>Reactive power rating</b>	17 kvar at 230 V AC 50 Hz 60 °C 30 kvar at 400 V AC 50 Hz 60 °C 32 kvar at 440 V AC 50 Hz 60 °C 50 kvar at 690 V AC 50 Hz 60 °C 16.5 kvar at 230 V AC 60 Hz 60 °C 33.3 kvar at 460 V AC 60 Hz 60 °C 40 kvar at 575 V AC 60 Hz 60 °C
<b>Control circuit type</b>	AC at 50/60 Hz
<b>[Uc] control circuit voltage</b>	110 V AC 50/60 Hz
<b>Auxiliary contact composition</b>	1 NO + 2 NC instantaneous
<b>Electrical durability</b>	300000 cycles at Ue 400 V 200000 cycles at Ue 690 V
<b>Mounting support</b>	DIN rail Plate
<b>Standards</b>	EN/IEC 60947-1 EN/IEC 60947-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1 IEC 60335-1
<b>Product certifications</b>	IECEE CB Scheme UL CSA UKCA
<b>Connections - terminals</b>	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: EverLink BTR screw connectors 1 1...35 mm<sup>2</sup> - cable stiffness: solid  
 Power circuit: EverLink BTR screw connectors 2 1...25 mm<sup>2</sup> - cable stiffness: solid  
 Power circuit: EverLink BTR screw connectors 1 1...35 mm<sup>2</sup> - cable stiffness: flexible with or without cable end  
 Power circuit: EverLink BTR screw connectors 2 1...25 mm<sup>2</sup> - cable stiffness: flexible with or without cable end

<b>Tightening torque</b>	Control circuit: 1.7 N.m - on screw clamp terminals Power circuit: 5 N.m - on EverLink BTR screw connectors - cable 1...25 mm <sup>2</sup> Power circuit: 8 N.m - on EverLink BTR screw connectors - cable 35 mm <sup>2</sup>
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<b>Maximum operating rate</b>	240 cyc/h
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## Complementary

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

<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>	166 mm
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<b>Width</b>	55 mm
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<b>Depth</b>	156 mm
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<b>Net weight</b>	1.3 kg
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## Packing Units

<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>	7 cm
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<b>Package 1 Width</b>	20 cm
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<b>Package 1 Length</b>	23 cm
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<b>Package 1 Weight</b>	1.108 kg
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<b>Unit Type of Package 2</b>	S03
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<b>Number of Units in Package 2</b>	6
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<b>Package 2 Height</b>	30 cm
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<b>Package 2 Width</b>	30 cm
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<b>Package 2 Length</b>	40 cm
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<b>Package 2 Weight</b>	7.361 kg
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<b>Unit Type of Package 3</b>	P06
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<b>Number of Units in Package 3</b>	48
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<b>Package 3 Height</b>	80 cm
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<b>Package 3 Width</b>	80 cm
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<b>Package 3 Length</b>	60 cm
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<b>Package 3 Weight</b>	67.388 kg
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## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
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<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>REACH free of SVHC</b>	Yes
<b>EU RoHS Directive</b>	Compliant <a href="#">EU RoHS Declaration</a>
<b>Toxic heavy metal free</b>	Yes
<b>Mercury free</b>	Yes
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)
<b>RoHS exemption information</b>	Yes
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<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>	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

## Contractual warranty

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