

# Product datasheet

Specifications



## Capacitor contactor, TeSys D, 25 kVAR at 400 V/50 Hz, coil 220 V AC 50/60 Hz

LC1DMKM7

### 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>	LC1DMK
<b>Device application</b>	Control
<b>Contactors 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>	Line interruption Inside delta interruption
<b>[Ue] rated operational voltage</b>	Power circuit: 690 V AC 50/60 Hz
<b>Reactive power rating</b>	14 kvar at 230 V AC 50 Hz 60 °C 25 kvar at 400 V AC 50 Hz 60 °C 27 kvar at 440 V AC 50 Hz 60 °C 42 kvar at 690 V AC 50 Hz 60 °C
<b>Control circuit type</b>	AC at 50/60 Hz
<b>[Uc] control circuit voltage</b>	220 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 IEC 60335-1
<b>Product certifications</b>	IECEE CB Scheme 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: screw clamp terminals 1 2.5...16 mm<sup>2</sup> - cable stiffness: solid  
 Power circuit: screw clamp terminals 2 2.5...6 mm<sup>2</sup> - cable stiffness: solid  
 Power circuit: screw clamp terminals 1 1.5...10 mm<sup>2</sup> - cable stiffness: flexible without cable end  
 Power circuit: screw clamp terminals 2 1.5...6 mm<sup>2</sup> - cable stiffness: flexible without cable end  
 Power circuit: screw clamp terminals 1 1...10 mm<sup>2</sup> - cable stiffness: flexible with cable end

Power circuit: screw clamp terminals 2 1...4 mm<sup>2</sup> - cable stiffness: flexible with cable end

<b>Tightening torque</b>	Control circuit: 1.7 N.m - on screw clamp terminals Power circuit: 2.5 N.m - on screw clamp terminals
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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>	125 mm
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<b>Width</b>	45 mm
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<b>Depth</b>	127 mm
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<b>Net weight</b>	0.63 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>	7.000 cm
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<b>Package 1 Width</b>	19.500 cm
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<b>Package 1 Length</b>	23.000 cm
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<b>Package 1 Weight</b>	600.000 g
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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>	30.000 cm
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<b>Package 2 Width</b>	30.000 cm
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<b>Package 2 Length</b>	40.000 cm
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<b>Package 2 Weight</b>	4.077 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>	75.000 cm
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<b>Package 3 Width</b>	60.000 cm
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<b>Package 3 Length</b>	80.000 cm
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<b>Package 3 Weight</b>	42.500 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>
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<b>REACH free of SVHC</b>	Yes
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<b>EU RoHS Directive</b>	Compliant <a href="#">EU RoHS Declaration</a>
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<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

## Contractual warranty

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