

Product datasheet

Specifications



Capacitor contactor, TeSys D, 12.5 kVAR at 400 V/50 Hz, coil 220 V AC 50/60 Hz

LC1DFKM7

Main

Range	TeSys TeSys Deca
Product name	TeSys LC1D.K TeSys Deca
Product or component type	Capacitor duty contactor
Device short name	LC1DFK
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	7 kvar at 230 V AC 50 Hz 60 °C 12.5 kvar at 400 V AC 50 Hz 60 °C 13 kvar at 440 V AC 50 Hz 60 °C 21 kvar at 690 V AC 50 Hz 60 °C
Control circuit type	AC at 50/60 Hz
[Uc] control circuit voltage	220 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 IEC 60335-1
Product certifications	IECEE CB Scheme 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: screw clamp terminals 1 1.5...6 mm ² - cable stiffness: solid Power circuit: screw clamp terminals 2 1.5...4 mm ² - cable stiffness: solid Power circuit: screw clamp terminals 1 1.5...6 mm ² - cable stiffness: flexible without cable end Power circuit: screw clamp terminals 2 1.5...6 mm ² - cable stiffness: flexible without cable end Power circuit: screw clamp terminals 1 1.5...6 mm ² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 2 1.5...4 mm ² - cable stiffness: flexible with cable end
Tightening torque	Control circuit: 1.7 N.m - on screw clamp terminals

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	115 mm
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Width	45 mm
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Depth	121 mm
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Net weight	0.53 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	6.800 cm
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Package 1 Width	20.000 cm
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Package 1 Length	22.400 cm
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Package 1 Weight	538.000 g
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Unit Type of Package 2	S03
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Number of Units in Package 2	6
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Package 2 Height	30.000 cm
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Package 2 Width	30.000 cm
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Package 2 Length	40.000 cm
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Package 2 Weight	3.717 kg
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Unit Type of Package 3	P06
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Number of Units in Package 3	48
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Package 3 Height	75.000 cm
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Package 3 Width	60.000 cm
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Package 3 Length	80.000 cm
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Package 3 Weight	37.736 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
China RoHS Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
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
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Recommended replacement(s)