

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 |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|--------------------------------|--|
| 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 Power circuit: 1.7 N.m - on screw clamp terminals |
| Maximum operating rate | 240 cyc/h |

Complementary

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| Auxiliary contacts type | type mechanically linked 1 NO + 2 NC conforming to IEC 60947-5-1 |
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Environment

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| IP degree of protection | IP20 front face conforming to IEC 60529 |
| Ambient air temperature for operation | -5...60 °C |
| Ambient air temperature for storage | -60...80 °C |
| Operating altitude | 0...3000 m |
| Height | 115 mm |
| width | 45 mm |
| Depth | 121 mm |
| Net weight | 0.53 kg |

Packing Units

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|-------------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 6.800 cm |
| Package 1 Width | 20.000 cm |
| Package 1 Length | 22.400 cm |
| Package 1 Weight | 538.000 g |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 6 |
| Package 2 Height | 30.000 cm |
| Package 2 Width | 30.000 cm |
| Package 2 Length | 40.000 cm |
| Package 2 Weight | 3.717 kg |
| Unit Type of Package 3 | P06 |

| | |
|-------------------------------------|-----------|
| Number of Units in Package 3 | 48 |
| Package 3 Height | 75.000 cm |
| Package 3 Width | 60.000 cm |
| Package 3 Length | 80.000 cm |
| Package 3 Weight | 37.736 kg |

Contractual warranty

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|-----------------|-----------|
| Warranty | 18 months |
|-----------------|-----------|

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint

| | |
|---|----|
| Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) | 30 |
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|--------------------------|---|
| Environmental Disclosure | Product Environmental Profile |
|--------------------------|---|

Use Better

Materials and Substances

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| Packaging made with recycled cardboard | Yes |
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|--------------------------------------|-----|
| Packaging without single use plastic | Yes |
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| EU RoHS Directive | Compliant |
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|------------------|-----------------------------------|
| REACH Regulation | REACH Declaration |
|------------------|-----------------------------------|

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|-----------------------|--|
| China RoHS Regulation | China RoHS declaration |
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Use Again

Repack and remanufacture

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|---------------------|--|
| Circularity Profile | No need of specific recycling operations |
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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

Take-back

No
