

# Product datasheet

## Specifications



Capacitor contactor, TeSys D, 16.7 kVAR at 400 V/50 Hz, coil 230 V AC 50/60 Hz

LC1DGKP7

## Main

|                                       |   |
|---------------------------------------|---|
| <b>Range</b>                          | TeSys<br>TeSys Deca   |
| <b>Product name</b>                   | TeSys LC1D.K<br>TeSys Deca  |
| <b>Product or component type</b>      | Capacitor duty contactor  |
| <b>Device short name</b>              | LC1DGK  |
| <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>[Ue] rated operational voltage</b> | Power circuit: 690 V AC 50/60 Hz  |
| <b>Reactive power rating</b>          | 9.5 kvar at 230 V AC 50 Hz 60 °C<br>16.7 kvar at 400 V AC 50 Hz 60 °C<br>18 kvar at 440 V AC 50 Hz 60 °C<br>28.5 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>   | 230 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<br>200000 cycles at Ue 690 V  |
| <b>Mounting support</b>               | DIN rail<br>Plate   |
| <b>Standards</b>                      | EN/IEC 60947-1<br>EN/IEC 60947-4-1<br>IEC 60335-1   |
| <b>Product certifications</b>         | IECEE CB Scheme<br>UKCA   |

|                                |   |
|--------------------------------|---|
| <b>Connections - terminals</b> | Control circuit: screw clamp terminals 1 1...4 mm <sup>2</sup> - cable stiffness: solid<br>Control circuit: screw clamp terminals 2 1...4 mm <sup>2</sup> - cable stiffness: solid<br>Control circuit: screw clamp terminals 1 1...4 mm <sup>2</sup> - cable stiffness: flexible without cable end<br>Control circuit: screw clamp terminals 2 1...4 mm <sup>2</sup> - cable stiffness: flexible without cable end<br>Control circuit: screw clamp terminals 1 1...4 mm <sup>2</sup> - cable stiffness: flexible with cable end<br>Control circuit: screw clamp terminals 2 1...2.5 mm <sup>2</sup> - cable stiffness: flexible with cable end<br>Power circuit: screw clamp terminals 1 2.5...16 mm <sup>2</sup> - cable stiffness: solid<br>Power circuit: screw clamp terminals 2 2.5...6 mm <sup>2</sup> - cable stiffness: solid<br>Power circuit: screw clamp terminals 1 1.5...10 mm <sup>2</sup> - cable stiffness: flexible without cable end<br>Power circuit: screw clamp terminals 2 1.5...6 mm <sup>2</sup> - cable stiffness: flexible without cable end<br>Power circuit: screw clamp terminals 1 1...10 mm <sup>2</sup> - cable stiffness: flexible with cable end<br>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<br>Power circuit: 2.5 N.m - on screw clamp terminals  |
| <b>Maximum operating rate</b>  | 240 cyc/h   |

## Complementary

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

## Environment

|  |   |
|--|---|
| <b>IP degree of protection</b>               | IP20 front face conforming to IEC 60529 |
| <b>Ambient air temperature for operation</b> | -5...60 °C                              |
| <b>Ambient air temperature for storage</b>   | -60...80 °C                             |
| <b>Operating altitude</b>                    | 0...3000 m                              |
| <b>Height</b>                                | 125 mm                                  |
| <b>Width</b>                                 | 45 mm                                   |
| <b>Depth</b>                                 | 127 mm                                  |
| <b>Net weight</b>                            | 0.6 kg                                  |

## Packing Units

|                                     |           |
|-------------------------------------|-----------|
| <b>Unit Type of Package 1</b>       | PCE       |
| <b>Number of Units in Package 1</b> | 1         |
| <b>Package 1 Height</b>             | 6.800 cm  |
| <b>Package 1 Width</b>              | 19.500 cm |
| <b>Package 1 Length</b>             | 22.500 cm |
| <b>Package 1 Weight</b>             | 603.000 g |
| <b>Unit Type of Package 2</b>       | S03       |
| <b>Number of Units in Package 2</b> | 6         |
| <b>Package 2 Height</b>             | 30.000 cm |
| <b>Package 2 Width</b>              | 30.000 cm |
| <b>Package 2 Length</b>             | 40.000 cm |
| <b>Package 2 Weight</b>             | 4.085 kg  |
| <b>Unit Type of Package 3</b>       | 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             | 40.680 kg |

## **Contractual warranty**

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## 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

|                                  |   |
|----------------------------------|---|
| Total lifecycle Carbon footprint | 1   |
| Environmental Disclosure         | <a href="#">Product Environmental Profile</a> |

## Use Better

### Materials and Substances

|  |                                   |
|--|-----------------------------------|
| Packaging made with recycled cardboard | Yes                               |
| Packaging without single use plastic   | Yes                               |
| <a href="#">EU RoHS Directive</a>      | Compliant                         |
| REACH Regulation                       | <a href="#">REACH Declaration</a> |

## Use Longer

### Lifetime extension

|        |    |
|--------|----|
| Repair | No |
|--------|----|

## Use Again

### Repack and remanufacture

|                                 |   |
|---------------------------------|---|
| End of life manual availability | No need of specific recycling operations  |
| Take-back                       | No  |
| WEEE Label                      | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

## Technical Illustration

## Assembly's dimensions

