

Product data sheet

Specifications



Capacitor contactor, TeSys Deca, 63kVAR at 400/415V 50Hz, 220V AC 50Hz coil

LC1DWK12M5

Main

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| Range | TeSys |
| Product name | TeSys LC1D.K TeSys Deca |
| Product or component type | Capacitor duty contactor |
| Device short name | LC1DWK |
| 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 | 35 kvar at 230 V AC 50/60 Hz 60 °C 63 kvar at 400...415 V AC 50/60 Hz 60 °C 67 kvar at 440 V AC 50/60 Hz 60 °C 104 kvar at 660...690 V AC 50/60 Hz 60 °C |
| Control circuit type | AC at 50 Hz |
| [Uc] control circuit voltage | 220 V AC 50 Hz |
| Auxiliary contact composition | 1 NO + 2 NC for signalling circuit |
| Electrical durability | 300000 cycles at Ue 400 V 200000 cycles at Ue 690 V |
| Mounting support | DIN rail Plate |
| Standards | UL 60947-4-1 CSA C22.2 No 60947-4-1 IEC 60947-4-1 IEC 60831 IEC 60070 |
| Product certifications | UL CSA IEC UKCA |
| Connections - terminals | Power circuit: connector 1 4...50 mm² - cable stiffness: solid Power circuit: connector 2 4...25 mm² - cable stiffness: solid Power circuit: connector 1 4...50 mm² - cable stiffness: flexible without cable end Power circuit: connector 2 4...25 mm² - cable stiffness: flexible without cable end Power circuit: connector 1 4...50 mm² - cable stiffness: flexible with cable end Power circuit: connector 2 4...16 mm² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 1...4 mm² - cable stiffness: solid Control circuit: screw clamp terminals 2 1...4 mm² - cable stiffness: solid Control circuit: screw clamp terminals 1 1...4 mm² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 1...4 mm² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 1...2.5 mm² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 2 1...2.5 mm² - cable stiffness: flexible with cable end |

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| Tightening torque | Power circuit: 9 N.m - on connector Control circuit: 1.7 N.m - on screw clamp terminal |
| Maximum operating rate | 100 cyc/h |
| Complementary | |
| Auxiliary contacts type | type mechanically linked 1 NO + 2 NC conforming to IEC 60947-5-1 type mirror contact 1 NC conforming to IEC 60947-4-1 |
| Environment | |
| IP degree of protection | IP20 conforming to IEC 60529 |
| Protective treatment | TH conforming to IEC 60068-2-30 |
| Ambient air temperature for operation | -5...60 °C |
| Ambient air temperature for storage | -60...80 °C |
| Operating altitude | 0...3000 m |
| Height | 180 mm |
| Width | 85 mm |
| Depth | 157 mm |
| Net weight | 1.65 kg |
| Packing Units | |
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 19.0 cm |
| Package 1 Width | 13.2 cm |
| Package 1 Length | 17.0 cm |
| Package 1 Weight | 1.786 kg |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 4 |
| Package 2 Height | 30.0 cm |
| Package 2 Width | 30.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 7.583 kg |
| Offer Sustainability | |
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| 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 |

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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 |
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Contractual warranty

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| Warranty | 18 months |
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Recommended replacement(s)