

Product data sheet

Specifications



Capacitor contactor, TeSys D, 63 kVAR at 400 V/50 Hz, coil 230 V AC 50/60 Hz

LC1DWK12P7

Main

Range	TeSys
Product name	TeSys LC1D.K
Product or component type	Capacitor duty contactor
Device short name	LC1DWK
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	35 kvar at 230 V AC 50 Hz 60 °C 63 kvar at 400 V AC 50 Hz 60 °C 67 kvar at 440 V AC 50 Hz 60 °C 104 kvar at 690 V AC 50 Hz 60 °C 30 kvar at 230 V AC 60 Hz 60 °C 60 kvar at 460 V AC 60 Hz 60 °C 80 kvar at 575 V AC 60 Hz 60 °C
Control circuit type	AC at 50/60 Hz
[Uc] control circuit voltage	230 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 UL 60947-4-1 CSA C22.2 No 60947-4-1
Product certifications	IECEE CB Scheme UL CSA 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: connector 1 4...50 mm ² - cable stiffness: solid Power circuit: connector 2 4...25 mm ² - cable stiffness: solid Power circuit: connector 1 4...50 mm ² - cable stiffness: flexible without cable end Power circuit: connector 2 4...25 mm ² - cable stiffness: flexible without cable end
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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

Tightening torque Power circuit: 12 N.m - on connector
Control circuit: 1.7 N.m - on screw clamp terminals

Maximum operating rate 240 cyc/h

Complementary

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

Environment

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 180 mm

Width 85 mm

Depth 154 mm

Net weight 1.65 kg

Packing Units

Unit Type of Package 1 PCE

Number of Units in Package 1 1

Package 1 Weight 1.723 kg

Package 1 Height 13 cm

Package 1 width 17 cm

Package 1 Length 18.5 cm

Unit Type of Package 2 P06

Number of Units in Package 2 48

Package 2 Weight 90.71 kg

Package 2 Height 75 cm

Package 2 width 80 cm

Package 2 Length 60 cm

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

RoHS exemption information [Yes](#)

China RoHS Regulation [China RoHS declaration](#)
Pro-active China RoHS declaration (out of China RoHS legal scope)

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
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California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
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Contractual warranty

Warranty	18 months
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