

Product data sheet

Specifications



Capacitor contactor, TeSys Deca, 25kVAR at 400/415V 50Hz, 230V AC 50/60Hz coil

LC1DMKP7

Main

Range	TeSys TeSys Deca
Product name	TeSys LC1D.K TeSys Deca
Product or component type	Capacitor duty contactor
Device short name	LC1DMK
Device application	Control
Contactor application	Power factor correction
Utilisation category	AC-6b
Poles description	3P
Power pole contact composition	3 NO
Device location in system	Line interruption Inside delta interruption
[Ue] rated operational voltage	Power circuit: 690 V AC 50/60 Hz
Reactive power rating	14 kvar at 230 V AC 50 Hz 60 °C 25 kvar at 400 V AC 50 Hz 60 °C 27 kvar at 440 V AC 50 Hz 60 °C 42 kvar at 690 V AC 50 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 IEC 60335-1
Product certifications	IECEE CB Scheme UKCA

Connections - terminals

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...4 mm² - cable stiffness: flexible with cable end
 Control circuit: screw clamp terminals 2 1...2.5 mm² - cable stiffness: flexible with cable end
 Power circuit: screw clamp terminals 1 2.5...16 mm² - cable stiffness: solid
 Power circuit: screw clamp terminals 2 2.5...6 mm² - cable stiffness: solid
 Power circuit: screw clamp terminals 1 1.5...10 mm² - cable stiffness: flexible without cable end
 Power circuit: screw clamp terminals 2 1.5...6 mm² - cable stiffness: flexible without cable end
 Power circuit: screw clamp terminals 1 1...10 mm² - cable stiffness: flexible with cable end

Power circuit: screw clamp terminals 2 1...4 mm² - cable stiffness: flexible with cable end

Tightening torque Control circuit: 1.7 N.m - on screw clamp terminals
Power circuit: 2.5 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 125 mm

Width 45 mm

Depth 127 mm

Net weight 0.63 kg

Packing Units

Unit Type of Package 1 PCE

Number of Units in Package 1 1

Package 1 Height 7.400 cm

Package 1 Width 20.000 cm

Package 1 Length 23.000 cm

Package 1 Weight 602.000 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 4.089 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 40.712 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
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
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

Contractual warranty

Warranty	18 months
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Recommended replacement(s)