

Product datasheet

Specifications



Capacitor contactor, TeSys D, 20 kVAR at 400 V/50 Hz, coil 220 V AC 50/60 Hz

LC1DLKM7

Main

Range	TeSys TeSys Deca
Product name	TeSys LC1D.K TeSys Deca
Product or component type	Capacitor duty contactor
Device short name	LC1DLK
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	11 kvar at 230 V AC 50 Hz 60 °C 20 kvar at 400 V AC 50 Hz 60 °C 21 kvar at 440 V AC 50 Hz 60 °C 33 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
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 2.5...16 mm ² - cable stiffness: solid Power circuit: screw clamp terminals 2 2.5...6 mm ² - cable stiffness: solid Power circuit: screw clamp terminals 1 1.5...10 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...10 mm ² - 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 0.6 kg

Packing Units

Unit Type of Package 1 PCE

Number of Units in Package 1 1

Package 1 Height 6.6 cm

Package 1 Width 19.4 cm

Package 1 Length 22.6 cm

Package 1 Weight 608 g

Unit Type of Package 2 S03

Number of Units in Package 2 6

Package 2 Height 30 cm

Package 2 Width 30 cm

Package 2 Length 40 cm

Package 2 Weight 4.118 kg

Unit Type of Package 3 P06

Number of Units in Package 3 48

Package 3 Height 75 cm

Package 3 Width 60 cm

Package 3 Length 80 cm

Package 3 Weight 43.388 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

Contractual warranty

Warranty	18 months
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Recommended replacement(s)