



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	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 UL 60947-4-1 CSA C22.2 No 60947-4-1
Product certifications	IECEE CB Scheme UL

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

CSA

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 Power circuit: connector 1 4...50 mm ² - cable stiffness: flexible with cable end Power circuit: connector 2 4...16 mm ² - cable stiffness: flexible with cable end
Tightening torque	Power circuit: 9 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	1.716 kg
Package 1 Height	13.2 cm
Package 1 width	17 cm
Package 1 Length	19 cm
Unit Type of Package 2	P06
Number of Units in Package 2	48
Package 2 Weight	95.37 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
------	---

Contractual warranty

Warranty	18 months
----------	-----------
