Product datasheet

Specification





Capacitor contactor, Tesys Deca, 63kVAR at 400/415V 50Hz, 240V AC 50/60Hz coil, screw clamp terminals

LC1DWK12U7

Main

Walli		
Range	TeSys	
Product Name	TeSys LC1D.K TeSys Deca	
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	
Device Location In System	Inside delta interruption Line interruption	
[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	240 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 14 mm² - cable stiffness: solid Control circuit: screw clamp terminals 2 14 mm² - cable stiffness: solid Control circuit: screw clamp terminals 1 14 mm² - cable stiffness: flexible without cable end
	Control circuit: screw clamp terminals 2 14 mm² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 14 mm² - cable stiffness: flexible with cable end
	Control circuit: screw clamp terminals 2 12.5 mm ² - cable stiffness: flexible with cable end
	Power circuit: connector 1 450 mm² - cable stiffness: solid Power circuit: connector 2 425 mm² - cable stiffness: solid
	Power circuit: connector 1 450 mm ² - cable stiffness: flexible without cable end Power circuit: connector 2 425 mm ² - cable stiffness: flexible without cable end Power circuit: connector 1 450 mm ² - cable stiffness: flexible with cable end Power circuit: connector 2 416 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	-560 °C
Ambient Air Temperature For Storage	-6080 °C
Operating Altitude	03000 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

Contractual warranty

Warranty 18 months



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Transparency RoHS/REACh

Well-being performance

⊘	Reach Free Of Svhc	
⊘	Toxic Heavy Metal Free	
⊘	Mercury Free	
⊘	Rohs Exemption Information	Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
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
Circularity Profile	No need of specific recycling operations