Product data sheet
Characteristics

LC1DFKF7
Capacitor contactor, Tesys Deca, 12.5kVAR at 400/415V 50Hz, 110V AC 50/60Hz coil, screw clamp terminals



Main

Range	TeSys TeSys Deca
Product name	TeSys LC1D.K TeSys Deca
Product or component type	Capacitor duty contactor
Device short name	LC1DFK
Device application	Control
Contactor application	Power factor correction
Utilisation category	AC-6b
Poles description	3P
Pole contact composition	3 NO
[Ue] rated operational voltage	Power circuit: 690 V AC 50/60 Hz
Reactive power rating	7 Kvar at 230 V AC 50 Hz 60 °C 12.5 Kvar at 400 V AC 50 Hz 60 °C 13 Kvar at 440 V AC 50 Hz 60 °C 21 Kvar at 690 V AC 50 Hz 60 °C
Control circuit type	AC at 50/60 Hz
[Uc] control circuit voltage	110 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[RETURN]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 1.5…6 mm² - cable stiffness: solid Power circuit: screw clamp terminals 2 1.5…4 mm² - cable stiffness: solid Power circuit: screw clamp terminals 1 1.5…6 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 1.5…6 mm² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 2 1.5…4 mm² - cable stiffness: flexible with cable end
Tightening torque	Control circuit: 1.7 N.m - on screw clamp terminals Power 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	115 Mm
Width	45 Mm
Depth	121 Mm
Net weight	0.53 Kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.0 Cm
Package 1 Width	20.0 Cm
Package 1 Length	23.0 Cm
Package 1 Weight	555.0 G

Offer Sustainability

Recyclability potential, in %	67
Total lifecycle Carbon footprint	0 kg CO2 eq.
REACh free of SVHC	Yes
Toxic heavy metal free	Yes
Mercury free	Yes
Sustainable packaging	Yes
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	1
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
REACh Regulation	Free of Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which
End of life manual availability	No need of specific recycling operations
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised