

Capacitor contactor, TeSys D, 12.5 kVAR at 400 V/50 Hz, coil 110 V AC 50/60 Hz

LC1DFKF7

Main

IVIAIII		
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	
power 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 UKCA	

Connections - terminals	Control circuit: screw clamp terminals 1 14 mm² - cable stiffness: solid		
	Control circuit: screw clamp terminals 2 14 mm ² - cable stiffness: solid		
	Control circuit: screw clamp terminals 1 14 mm ² - cable stiffness: flexible without cable end		
	Control circuit: screw clamp terminals 2 14 mm ² - 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 mm² - cable stiffness: flexible with cable end		
	Power circuit: screw clamp terminals 1 1.56 mm² - cable stiffness: solid Power circuit: screw clamp terminals 2 1.54 mm² - cable stiffness: solid Power circuit: screw clamp terminals 1 1.56 mm² - cable stiffness: flexible without cable end Power circuit: screw clamp terminals 2 1.56 mm² - cable stiffness: flexible without cable end		
		Power circuit: screw clamp terminals 1 1.56 mm² - cable stiffness: flexible with cable end	
		Power circuit: screw clamp terminals 2 1.54 \mbox{mm}^2 - 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	-560 °C	
Ambient air temperature for storage	-0° 0809-	
Operating altitude	03000 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

Contractual warranty

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

∇ Environmental footprint	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	30
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant
REACh Regulation	REACh Declaration

Use Again

○ Repack and remanufacture	
Circularity Profile	No need of specific recycling operations
Take-back	No