

Product data sheet

Specifications



Capacitor contactor, TeSys Deca, 40kVAR at 400/415V 50Hz, 110V AC 50/60Hz coil

LC1DTKF7

Main

Range	TeSys TeSys Deca
Product name	TeSys LC1D.K TeSys Deca
Product or component type	Capacitor duty contactor
Device short name	LC1DTK
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	22 kvar at 230 V AC 50 Hz 60 °C 40 kvar at 400 V AC 50 Hz 60 °C 43 kvar at 440 V AC 50 Hz 60 °C 67 kvar at 690 V AC 50 Hz 60 °C 20 kvar at 230 V AC 60 Hz 60 °C 40 kvar at 460 V AC 60 Hz 60 °C 50 kvar at 575 V AC 60 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 UL 60947-4-1 CSA C22.2 No 60947-4-1 IEC 60335-1
Product certifications	IECEE CB Scheme UL CSA 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: EverLink BTR screw connectors 1 1...35 mm² - cable stiffness: solid Power circuit: EverLink BTR screw connectors 2 1...25 mm² - cable stiffness: solid Power circuit: EverLink BTR screw connectors 1 1...35 mm² - cable stiffness: flexible with or without cable end Power circuit: EverLink BTR screw connectors 2 1...25 mm² - cable stiffness: flexible with or without cable end
--	--

Tightening torque	Control circuit: 1.7 N.m - on screw clamp terminals Power circuit: 5 N.m - on EverLink BTR screw connectors - cable 1...25 mm² Power circuit: 8 N.m - on EverLink BTR screw connectors - cable 35 mm²
-------------------	---

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	166 mm
--------	--------

Width	55 mm
-------	-------

Depth	156 mm
-------	--------

Net weight	1.3 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	1.17 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
------	---

California proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov
---------------------------	---

Contractual warranty

Warranty18 months

Recommended replacement(s)