Product data sheet
Characteristics

LC1SK0600F7
Mini contactor, TeSys SK, 2P(2NO), AC-3, 690V 6A, 110V AC coil



Main

Range	TeSys
Product name	TeSys SK
Product or component type	Mini contactor
Device short name	LC1SK
Contactor application	Motor control Resistive load
Utilisation category	AC-1 AC-3
Poles description	2P
Pole contact composition	2 NO
[Ie] rated operational current	6 A at <= 440 V AC AC-3 12 A (at <55 °C) AC AC-1
[Ue] rated operational voltage	Power circuit: 690 V AC 50/60 Hz

Complementary

Control circuit type	AC at 50/60 Hz
[Uc] control circuit voltage	110 V AC 50/60 Hz
[Ith] conventional free air thermal current	12 A (at 55 °C) for power circuit
Irms rated making capacity	66 A at 690 V AC conforming to IEC 60947 66 A at 690 V AC conforming to NF C 63-110
Rated breaking capacity	52 A at <= 400 V for power circuit conforming to NF C 63-110 52 A at <= 400 V for power circuit conforming to IEC 60947
[Icw] rated short-time withstand current	50 A 55 °C for power circuit
Associated fuse rating	16 A gI at <= 440 V for power circuit conforming to IEC 60947
Average impedance	4 MOhm - Ith 12 A 50 Hz
[Ui] rated insulation voltage	690 V conforming to IEC 60947 690 V conforming to VDE 0110 group C 690 V conforming to BS 5424 690 V conforming to UL 508 690 V conforming to CSA C22.2 No 14
Mounting support	Rail
Standards	EN/IEC 60947-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1
Product certifications	CB Scheme[RETURN]CE[RETURN]UKCA[RETURN]EAC[RETURN]cULus
Connections - terminals	Power circuit: connector 1 cable(s) 0.35…6 mm²flexible with cable end Power circuit: connector 1 cable(s) 0.5…6 mm²flexible without cable end Power circuit: connector 1 cable(s) 1.5…6 mm²solid Power circuit: connector 2 cable(s) 0.35…1.5 mm²flexible with cable end Power circuit: connector 2 cable(s) 0.35…2.5 mm²flexible without cable end Power circuit: connector 2 cable(s) 1.5…4 mm²solid
Tightening torque	0.8 N.M - on connector - with screwdriver pozidriv No 1

Operating time	6...8 ms coil de-energisation and NO opening 7...14 ms coil energisation and NO closing
Mechanical durability	10 Mcycles
Maximum operating rate	1200 Cyc/H
Control circuit voltage limits	Operational: 0.85...1.1 Uc (at <50 °C) Drop-out: 0.2...0.75 Uc (at <50 °C)
Inrush power in VA	16 VA (at 20 °C)
Hold-in power consumption in VA	4.2 VA (at 20 °C)
Heat dissipation	1.4 W at 50/60 Hz

Environment

IP degree of protection	IP2X conforming to VDE 0106
Protective treatment	TC conforming to IEC 60068 TC conforming to DIN 50015
Ambient air temperature for operation	-20…50 °C
Ambient air temperature for storage	-50…70 °C
Operating altitude	2000 m without derating
Height	56 Mm
Width	27 Mm
Depth	55.5 Mm
Net weight	0.132 Kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.300 Cm
Package 1 Width	6.000 Cm
Package 1 Length	6.700 Cm
Package 1 Weight	120.000 G
Unit Type of Package 2	S01
Number of Units in Package 2	40
Package 2 Height	15.000 Cm
Package 2 Width	15.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	4.865 Kg
Unit Type of Package 3	P06
Number of Units in Package 3	1280
Package 3 Height	75.000 Cm
Package 3 Width	80.000 Cm
Package 3 Length	60.000 Cm
Package 3 Weight	170.700 Kg

Offer Sustainability

Recyclability potential, in %	63
Total lifecycle Carbon footprint	68 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.6161899695411708
Carbon footprint of the manufacturing phase [A1 to A3]	0.6 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.23781762391519132
Carbon footprint of the distribution phase [A4]	0.2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.016348974008837884
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	66.60199567133492
Carbon footprint of the use phase [B2, B3, B4, B6]	67 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.17270071186092031

Carbon footprint of the end-of-life phase [C1 to C4]	0.2 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	68
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	C39a7e5e-6a28-4540-b3bb-b5a727bdce6a
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
End of life manual availability	End Of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised