

Product data sheet

Specifications



mini contactor, TeSys SK, 2P(2NO), AC-1, 690V 12A, 24V DC coil

LP1SK0600BD

Main

Product or component type	Mini contactor
Device short name	LP1SK
Contactors application	Resistive load
Utilisation category	AC-1
power pole contact composition	2P
Pole contact composition	2 NO
[Ue] rated operational voltage	Power circuit: 690 V AC 50/60 Hz
[Ie] rated operational current	12 A (at <55 °C) AC AC-1
Control circuit type	DC standard
[Uc] control circuit voltage	24 V DC
[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 CE UKCA EAC cULus
Connections - terminals	Power circuit: connector 1 cable(s) 0.35...6 mm ² flexible with cable end Power circuit: connector 1 cable(s) 0.5...6 mm ² flexible without cable end Power circuit: connector 1 cable(s) 1.5...6 mm ² solid Power circuit: connector 2 cable(s) 0.35...1.5 mm ² flexible with cable end Power circuit: connector 2 cable(s) 0.35...2.5 mm ² flexible without cable end Power circuit: connector 2 cable(s) 1.5...4 mm ² solid
Tightening torque	0.8 N.m - on connector - with screwdriver pozidriv No 1

Operating time	4...6 ms coil de-energisation and NO opening 8...12 ms coil energisation and NO closing
Mechanical durability	10 Mcycles
Maximum operating rate	1200 cyc/h

Complementary

Control circuit voltage limits	Operational: 0.85...1.1 Uc (at <50 °C) Drop-out: 0.1...0.75 Uc (at <50 °C)
Inrush power in W	2.2 W (at 20 °C)
Hold-in power consumption in W	2.2 W at 20 °C
Heat dissipation	2.2 W

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	3.3 cm
Package 1 Width	5.9 cm
Package 1 Length	6.7 cm
Package 1 Weight	122.0 g
Unit Type of Package 2	S01
Number of Units in Package 2	40
Package 2 Height	15.0 cm
Package 2 Width	15.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	5.174 kg

Contractual warranty

Warranty	18 months
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Environmental Data

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

Total lifecycle Carbon footprint 82

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 with Exemptions

SCIP Number C39a7e5e-6a28-4540-b3bb-b5a727bdce6a

REACH Regulation [REACH Declaration](#)

Use Again

Repack and remanufacture

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 and never end up in rubbish bins

Technical Illustration

Assembly's dimensions

