



Main

Range	TeSys
Product or component type	Mini contactor
Device short name	LP1SK
Contactor application	Resistive load
Utilisation category	AC-1
Power pole contact composition	2P
Pole contact composition	2 NO
[Ue] rated operational voltage	690 V AC 50/60 Hz for power circuit
[Ie] rated operational current	12 A ($\leq 55^\circ\text{C}$) AC AC-1
Control circuit type	DC standard
[Uc] control circuit voltage	36 V DC
[Ith] conventional free air thermal current	12 A at $\leq 55^\circ\text{C}$ 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 $\leq 55^\circ\text{C}$ power circuit
Associated fuse rating	16 A gI at ≤ 440 V for power circuit conforming to IEC 60947
Average impedance	4 mOhm at 50 Hz - Ith 12 A
[Ui] rated insulation voltage	690 V conforming to CSA C22.2 No 14 690 V conforming to BS 5424 690 V conforming to IEC 60947 690 V conforming to VDE 0110 group C 690 V conforming to UL 508
Mounting support	Rail
Standards	IEC 60947 BS 5424 NF C 63-110 VDE 0660
Product certifications	CSA

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

UL

Connections - terminals	Power circuit : connector 1 cable(s) 0.35...6 mm ² - cable stiffness: flexible - with cable end Power circuit : connector 1 cable(s) 0.5...6 mm ² - cable stiffness: flexible - without cable end Power circuit : connector 1 cable(s) 1.5...6 mm ² - cable stiffness: solid Power circuit : connector 2 cable(s) 0.35...1.5 mm ² - cable stiffness: flexible - with cable end Power circuit : connector 2 cable(s) 0.35...2.5 mm ² - cable stiffness: flexible - without cable end Power circuit : connector 2 cable(s) 1.5...4 mm ² - cable stiffness: 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
Operating rate	1200 cyc/h

Complementary

Control circuit voltage limits	0.85...1.1 Uc at ≤ 50 °C operational 0.1...0.75 Uc at ≤ 50 °C drop-out
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 in temperature
Height	56 mm
Width	27 mm
Depth	55.5 mm
Product weight	0.132 kg

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0718 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Warranty period	18 months
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