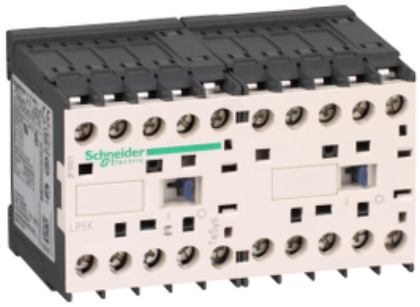
Product data sheet
Characteristics

LP5K06105EW3
TeSys K reversing contactor - 3P - AC-3 <= 440 V 6 A - 1 NO - 48 V DC coil

Price* : 202.00 USD

LP5K06105EW3 has not been replaced. Please contact your customer care center for more information.



Discontinued

Main

Range	TeSys
Product name	TeSys K
Product or component type	Reversing contactor
Device short name	LP5K
Device application	Control
Contactor application	Motor control
Utilisation category	AC-3 AC-4
Device presentation	Preassembled with reversing power busbar
Poles description	3P
Power pole contact composition	3 NO
System Voltage	690 V AC 50/60 Hz power circuit <= 690 V AC 50/60 Hz signalling circuit
[Ie] rated operational current	6 A at <= 440 V AC AC-3 power circuit
Motor power kW	3 kW at 440 V AC 50/60 Hz 3 kW at 500...600 V AC 50/60 Hz 3 kW at 660...690 V AC 50/60 Hz 1.5 kW at 220...230 V AC 50/60 Hz 2.2 kW at 380...415 V AC 50/60 Hz 3 kW at 480 V AC 50/60 Hz
Control circuit type	DC low consumption
[Uc] control circuit voltage	48 V DC
Auxiliary contact composition	1 NO
[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	20 A at <= 122 °F (50 °C) power circuit 10 A at <= 122 °F (50 °C) signalling circuit
Irms rated making capacity	110 A AC power circuit conforming to NF C 63-110 110 A AC power circuit conforming to IEC 60947 110 A AC signalling circuit conforming to IEC 60947
Rated breaking capacity	110 A at 415 V conforming to IEC 60947 110 A at 440 V conforming to IEC 60947 80 A at 500 V conforming to IEC 60947 110 A at 220...230 V conforming to IEC 60947 110 A at 380...400 V conforming to IEC 60947 70 A at 660...690 V conforming to IEC 60947

[Icw] rated short-time withstand current	20 A <= 50 °C >= 15 min power circuit 90 A <= 122 °F (50 °C) 1 s power circuit 85 A <= 122 °F (50 °C) 5 s power circuit 80 A <= 122 °F (50 °C) 10 s power circuit 60 A <= 122 °F (50 °C) 30 s power circuit 45 A <= 122 °F (50 °C) 1 min power circuit 40 A <= 122 °F (50 °C) 3 min power circuit 80 A 1 s signalling circuit 90 A 500 ms signalling circuit 110 A 100 ms signalling circuit
Associated fuse rating	25 A gG at <= 440 V power circuit 25 A aM power circuit 10 A gG signalling circuit conforming to IEC 60947 10 A gG signalling circuit conforming to VDE 0660
Average impedance	3 mOhm at 50 Hz - Ith 20 A power circuit
[Ui] rated insulation voltage	690 V signalling circuit conforming to IEC 60947-4-1 690 V signalling circuit conforming to IEC 60947-5-1 600 V signalling circuit conforming to UL 508 600 V power circuit conforming to CSA C22.2 No 14 600 V signalling circuit conforming to CSA C22.2 No 14 690 V power circuit conforming to IEC 60947-4-1 600 V power circuit conforming to UL 508
Electrical durability	1.3 Mcycles 6 A AC-3 at Ue <= 440 V
Interlocking type	Mechanical
Mounting support	Plate Rail
Standards	BS 5424 IEC 60947 NF C 63-110 VDE 0660
Product certifications	CSA UL
Connections - terminals	Solder pins 1.5 x 0.9 mm
Operating time	10...20 ms coil de-energisation and NO opening 30...40 ms coil energisation and NO closing
Safety reliability level	B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1
Mechanical durability	5 Mcycles
Operating rate	3600 cyc/h

Complementary

Coil technology	Built-in bidirectional peak limiting diode suppressor
Control circuit voltage limits	0.7...1.30 Uc at <= 122 °F (50 °C) operational 0.1...0.7 Uc at <= 122 °F (50 °C) drop-out
Inrush power in W	1.8 W at 68 °F (20 °C)
Hold-in power consumption in W	1.8 W at 68 °F (20 °C)
Heat dissipation	1.8 W
Auxiliary contacts type	Type instantaneous 1 NO
Minimum switching current	5 mA signalling circuit
Minimum switching voltage	17 V signalling circuit
Non overlap distance	0.02 in (0.5 mm)
Insulation resistance	> 10 MOhm signalling circuit

Environment

IP degree of protection	IP20 conforming to VDE 0106
Protective treatment	TC conforming to IEC 60068 TC conforming to DIN 50016
Ambient air temperature for operation	-13...122 °F (-25...50 °C)
Ambient air temperature for storage	-58...176 °F (-50...80 °C)
Operating altitude	6561.68 ft (2000 m) without derating in temperature

Flame retardance	V1 conforming to UL 94 Requirement 2 conforming to NF F 16-101 Requirement 2 conforming to NF F 16-102
Mechanical robustness	Shocks contactor closed, on Z axis 15 Gn for 11 ms IEC 60068-2-27 Shocks contactor opened, on Z axis 10 Gn for 11 ms IEC 60068-2-27 Vibrations contactor closed 4 Gn, 5...300 Hz IEC 60068-2-6 Vibrations contactor opened 2 Gn, 5...300 Hz IEC 60068-2-6 Shocks contactor opened, on X axis 10 Gn for 11 ms IEC 60068-2-27 Shocks contactor opened, on Y axis 6 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed, on X axis 15 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed, on Y axis 10 Gn for 11 ms IEC 60068-2-27
Height	2.28 in (58 mm)
Width	3.54 in (90 mm)
Depth	2.24 in (57 mm)
Product weight	1.08 lb(US) (0.49 kg)

Ordering and shipping details

Category	22322 - CTR,K-LINE,DC,OPEN,REV
Discount Schedule	I12
Nbr. of units in pkg.	1
Package weight(Lbs)	1.1699999999999999
Returnability	N

Contractual warranty

Warranty period	18 months