



## Galvenā

Diapazons	TeSys
Produkta vai sastāvdaļas veids	Contacteur
Ierīces īsais nosaukums	LP1K
Contacteur application	Resistive load Motor control

## Papildinošs

Utilisation category	AC-3 AC-3e AC-1 AC-4
Polu skaits	3P
Power pole contact composition	3 NO
[Ue] nominālais darbības spriegums	Strāvas ķēde: $\leq 690$ V AC $\leq 400$ Hz Signalling circuit: $\leq 690$ V AC $\leq 400$ Hz
[Ie] rated operational current	9 A (at $<60$ °C) at $\leq 440$ V AC AC-3 for strāvas ķēde 9 A (at $<60$ °C) at $\leq 440$ V AC AC-3e for strāvas ķēde 20 A (at $<60$ °C) at $\leq 690$ V AC AC-1 for strāvas ķēde
Control circuit type	DC standard
[Uc] control circuit voltage	12 V DC
Motor power kW	2,2 kW 220...230 V AC 50/60 Hz AC-3 4 kW 380...415 V AC 50/60 Hz AC-3 4 kW 440/690 V AC 50/60 Hz AC-3 2,2 kW 220...230 V AC 50/60 Hz AC-3e 4 kW 380...415 V AC 50/60 Hz AC-3e 4 kW 440/690 V AC 50/60 Hz AC-3e 2,2 kW 220...230 V AC 50/60 Hz AC-4 4 kW 380...415 V AC 50/60 Hz AC-4 4 kW 440/690 V AC 50/60 Hz AC-4
Papildkontakta veids	1 NO
[Uimp] rated impulse withstand voltage	8 kV
Pārsprieguma kategorija	III
[Ith] conventional free air thermal current	20 A (at $60$ °C) for strāvas ķēde 10 A (at $50$ °C) for signalling circuit
Irms rated making capacity	110 A AC for strāvas ķēde conforming to IEC 60947 110 A AC for signalling circuit conforming to IEC 60947
Rated breaking capacity	110 A at 220...230 V conforming to IEC 60947 110 A at 380...400 V conforming to IEC 60947 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 70 A at 660...690 V conforming to IEC 60947

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[I <sub>cw</sub> ] rated short-time withstand current	90 A 50 °C - 1 s for strāvas ķēde 85 A 50 °C - 5 s for strāvas ķēde 80 A 50 °C - 10 s for strāvas ķēde 60 A 50 °C - 30 s for strāvas ķēde 45 A 50 °C - 1 min for strāvas ķēde 40 A 50 °C - 3 min for strāvas ķēde 20 A 50 °C - >= 15 min for strāvas ķēde 80 A - 1 s for signalling circuit 90 A - 500 ms for signalling circuit 110 A - 100 ms for signalling circuit
Associated fuse rating	25 A gG at <= 440 V for strāvas ķēde 25 A aM for strāvas ķēde 10 A gG for signalling circuit conforming to IEC 60947 10 A gG for signalling circuit conforming to VDE 0660
Average impedance	3 mhm - Ith 20 A 50 Hz for strāvas ķēde
[U <sub>i</sub> ] rated insulation voltage	Strāvas ķēde 600 V UL 508 Strāvas ķēde 690 V IEC 60947-4-1 Signalling circuit 690 V IEC 60947-4-1 Signalling circuit 690 V IEC 60947-5-1 Signalling circuit 600 V UL 508 Strāvas ķēde 600 V CSA C22.2 No 14 Signalling circuit 600 V CSA C22.2 No 14
Insulation resistance	> 10 MOhm for signalling circuit
Inrush power in W	3 W 20 °C)
Hold-in power consumption in W	3 W 20 °C
Heat dissipation	1,3 W
Control circuit voltage limits	Operational: 0.8...1.15 U <sub>c</sub> (at <50 °C) Drop-out: >= 0.10 U <sub>c</sub> (at <50 °C)
Connections - terminals	Screw clamp terminals 1 1,5...4 mm <sup>2</sup> ciets Screw clamp terminals 1 0,75...4 mm <sup>2</sup> elastīgs without cable end Screw clamp terminals 1 0,34...2,5 mm <sup>2</sup> elastīgs with cable end Screw clamp terminals 2 1,5...4 mm <sup>2</sup> ciets Screw clamp terminals 2 0,75...4 mm <sup>2</sup> elastīgs without cable end Screw clamp terminals 2 0,34...1,5 mm <sup>2</sup> elastīgs with cable end Strāvas ķēde screw clamp terminals 2 1,5 mm <sup>2</sup> elastīgs with cable end
Maximum operating rate	3600 cikls/h
Auxiliary contacts type	Instantaneous 1 NO
Minimum switching current	5 mA for signalling circuit
Minimum switching voltage	17 V for signalling circuit
Montāžas stiprinājums	Rail Plāksne
Tightening torque	0,8...1,3 N.M screw clamp terminals Philips No 2 0,8...1,3 N.M screw clamp terminals flat Ø 6 mm 0,8...1,3 N.m screw clamp terminals pozidriv No 2
Operating time	30...40 ms coil energisation and NO closing 10 ms coil de-energisation and NO opening
Safety reliability level	B10d = 1369863 cikli contactor with nominal load EN/ISO 13849-1 B10d = 20000000 cikli contactor with mechanical load EN/ISO 13849-1
Mehāniskā izturība	10 M cikli
Electrical durability	1,3 M cikli 9 A AC-3 <= 440 V 1,3 M cikli 9 A AC-3e <= 440 V 0,16 M cikli 20 A AC-1 <= 690 V 0,02 M cikli 54 A AC-4 <= 440 V
Augstums	58 mm
Platums	45 mm
Dziļums	57 mm
Neto svars	0,225 kg

## Vide

Standards	EN/IEC 60947-4-1 EN/IEC 60947-5-1 UL 60947-4-1 UL 60947-5-1 CSA C22.2 No 60947-4-1 CSA C22.2 No 60947-5-1 GB/T 14048.4
Produkta sertifikācija	CB Scheme[RETURN]CCC[RETURN]UL[RETURN]CSA[RETURN]EAC[RETURN]CE[RETURN]U
IP degree of protection	IP2X
Ambient air temperature for operation	-25...50 °C
Apkārtējā gaisa temperatūra uzglabāšanai	-50...80 °C
Operating altitude	2000 m without derating
Flame retardance	V1 UL 94 Requirement 2 NF F 16-101 Requirement 2 NF F 16-102

## Iepakojšanas vienības

Pirmā iepakojuma vienības tips	PCE
Vienību skaits 1. iepakojumā	1
1. iepakojuma augstums	4,8 cm
1. iepakojuma platums	6,3 cm
1. iepakojuma garums	6,9 cm
1. iepakojuma svars	217,0 g
Otrā iepakojuma vienības tips	S02
Vienību skaits 2. iepakojumā	40
2. iepakojuma augstums	15,0 cm
2. iepakojuma platums	30,0 cm
2. iepakojuma garums	40,0 cm
2. iepakojuma svars	9,179 kg

## Piedāvājiēt ilgtspēju

Ilgspējīgs piedāvājuma statuss	Green Premium izstrādājums
REACH regula	 <a href="#">REACH Deklarācija</a>
Nesatur REACH SVHC	Jā
ES RoHS direktīva	Atbilstīgs  <a href="#">ES RoHS Deklarācija</a>
Nesatur toksiskus smagos metālus	Jā
Nesatur dzīvsudrabu	Jā
Ķīnas RoHS regula	 <a href="#">Ķīnas RoHS Deklarācija</a>
Informācija par RoHS izņēmumiem	 Jā
Vides informācijas publiskošana	 <a href="#">Produkta Ietekme Uz Vidi</a>
Cirkularitātes profils	 <a href="#">Informācija Par Eksploatācijas Izbeigšanu</a>
WEEE	Eiropas Savienības tirgū no šī produkta ir jāatbrīvojas, ievērojot noteiktu atkritumu savākšanas kārtību, un produkts nedrīkst nonākt sadzīves atkritumu tvertnēs.

## Līguma garantija

Garantija	18 months
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