





Teknisk informasjon

Serie	TeSys
Produktnavn	TeSys K
Produkt eller type komponent	Dreieretningskontaktør
Kortnavn utstyr	LC2K
Applikasjon	Kontroll
Contactor application	Motor control
Driftskategori	AC-3 AC-4
Enhetens utseende	Preassembled med rygging makt samleskinne
Antall poler	3P
Power pole contact composition	3 NO
[Ue] merkespenning	Power circuit: 690 V AC 50/60 Hz Signalling circuit: <= 690 V AC 50/60 Hz
[Ie] nominell driftsstrøm	6 A at <= 440 V AC AC-3 for power circuit
Motoreffekt kW	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 440 V AC 50/60 Hz 3 kW at 480 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
Kontrollkretstype	AC at 50/60 Hz
Styrespenning	220...230 V AC 50/60 Hz
Hjelpekontakt sammensetning	1 NO
[Uimp] Nominell impuls ­ spenning	8 kV
Overspenningskategori	III
[Ith] fri luft termisk strøm	20 A (at 50 °C) for power circuit 10 A (at 50 °C) for signalling circuit
Irms rated making capacity	110 A AC for power circuit conforming to NF C 63-110 110 A AC for power circuit conforming to IEC 60947 110 A AC for 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] kort-tids/ korts ­ luttnings merkestrøm	90 A 50 °C - 1 s for power circuit 85 A 50 °C - 5 s for power circuit 80 A 50 °C - 10 s for power circuit 60 A 50 °C - 30 s for power circuit 45 A 50 °C - 1 min for power circuit 40 A 50 °C - 3 min for power circuit 80 A - 1 s for signalling circuit 90 A - 500 ms for signalling circuit 110 A - 100 ms for signalling circuit 20 A 50 °C - >= 15 min for power circuit
Sikringsstørrelse	25 A gG at <= 440 V for power circuit 25 A aM for power circuit 10 A gG for signalling circuit conforming to IEC 60947 10 A gG for signalling circuit conforming to VDE 0660
Gjennomsnittlig impedanse	3 mOhm - Ith 20 A 50 Hz for power circuit

[Ui] isolasjonsspenning	Power circuit: 600 V conforming to UL 508 Power circuit: 690 V conforming to IEC 60947-4-1 Signalling circuit: 690 V conforming to IEC 60947-4-1 Signalling circuit: 690 V conforming to IEC 60947-5-1 Signalling circuit: 600 V conforming to UL 508 Power circuit: 600 V conforming to CSA C22.2 No 14 Signalling circuit: 600 V conforming to CSA C22.2 No 14
Elektrisk levetid	1.3 Mcycles 6 A AC-3 at $U_e \leq 440$ V
Type låsing	Mechanical
Montering	Plate Skinne
Standarder	BS 5424 IEC 60947 NF C 63-110 VDE 0660
Produktsertifikater	UL CSA
Tilkoblingsklemmer	Screw clamp terminals 1 cable(s) 1.5...4 mm ² solid Screw clamp terminals 1 cable(s) 0.75... 4 mm ² flexible without cable end Screw clamp terminals 1 cable(s) 0.34... 2.5 mm ² flexible with cable end Screw clamp terminals 2 cable(s) 1.5...4 mm ² solid Screw clamp terminals 2 cable(s) 0.75... 4 mm ² flexible without cable end Screw clamp terminals 2 cable(s) 0.34... 1.5 mm ² flexible with cable end
Tiltrekningsmoment	1.3 N.M - on screw clamp terminals - with screwdriver Philips No 2 1.3 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm
Driftstid	10...20 ms coil energisation and NO closing 10...20 ms coil de-energisation and NO opening
Sikkerhet pålitelighet nivå	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
Mekanisk levetid	5 Mcycles
Bruksområde	3600 cyc/h

Komplementær

Control circuit voltage limits	Operational: 0.8...1.15 U_c (at 50°C) Drop-out: 0.2...0.75 U_c (at 50°C)
Inrush power in VA	30 VA (at 20 °C)
Hold-in strømforbruk i VA	4.5 VA (at 20 °C)
Varmeavgivelse	1.3 W
Auxiliary contacts type	Type instantaneous 1 NO
Signale krets frekvens	≤ 400 Hz
Minimum brytestrøm	5 mA for signalling circuit
Minimum switching voltage	17 V for signalling circuit
Non overlapping avstand	0.5 mm
Isolasjonsmotstand	> 10 MOhm for signalling circuit

Miljø

IP-grad	IP20 conforming to VDE 0106
Protective treatment	TC conforming to IEC 60068 TC conforming to DIN 50016
Omgivelsestemperatur drift	-25...50 °C
Omgivelsestemperatur for lagring	-50...80 °C
Operating altitude	2000 m without derating

Flammehemming	V1 conforming to UL 94 Requirement 2 conforming to NF F 16-101 Requirement 2 conforming to NF F 16-102
Mekanisk robusthet	Shocks contactor closed, on X axis: 10 Gn for 11 ms conforming to IEC 60068-2-27 Shocks contactor closed, on Y axis: 15 Gn for 11 ms conforming to IEC 60068-2-27 Shocks contactor closed, on Z axis: 15 Gn for 11 ms conforming to IEC 60068-2-27 Shocks contactor opened, on X axis: 6 Gn for 11 ms conforming to IEC 60068-2-27 Shocks contactor opened, on Y axis: 10 Gn for 11 ms conforming to IEC 60068-2-27 Shocks contactor opened, on Z axis: 10 Gn for 11 ms conforming to IEC 60068-2-27 Vibrations contactor closed: 4 Gn, 5...300 Hz conforming to IEC 60068-2-6 Vibrations contactor opened: 2 Gn, 5...300 Hz conforming to IEC 60068-2-6
Høyde	58 mm
Bredde	90 mm
Dybde	57 mm
Vekt	0,39 kg

Packing Units

Enhetstype forpakning 1	PCE
Antall enheter forpakning 1	1
Forpakning 1 vekt	360 g
Forpakning 1 høyde	6 cm
Forpakning 1 bredde	6,5 cm
Forpakning 1 lengde	9,2 cm
Enhetstype forpakning 2	S02
Antall enheter forpakning 2	25
Forpakning 2 vekt	9,455 kg
Forpakning 2 høyde	15 cm
Forpakning 2 bredde	30 cm
Forpakning 2 lengde	40 cm

Offer Sustainability

Produktets miljøstatus	Green Premium miljømerket produkt
REACH-regelverk	REACH-erklæring
REACH fri for SVHC	Ja
EU RoHS-direktiv	I samsvar EU RoHS-erklæring
Fri for giftige tungmetaller	Ja
Kvikksølvfri	Ja
Informasjon om RoHS-unntak	Ja
Kinas RoHS-forskrift	Kinas RoHS-Erklæring
Miljøinformasjon	Produktmiljøprofil
Produktets livssyklus	Informasjon Om Levetidsslutt
WEEE	Innen EU må produktet avhendes i henhold til bestemte regler for avfallshåndtering og aldri kastes som husholdningsavfall.

Garantiperiode

Garanti	18 months
---------	-----------