



Main

Range	TeSys
Product or component type	Contactors
Product name	TeSys K
Device application	Control
Contactors application	Resistive load

Complementary

Utilisation category	AC-1
Poles description	4P
Pole contact composition	4 NO
[Ie] rated operational current	20 A (≤ 122 °F (50 °C)) at ≤ 440 V AC AC-1 power circuit 16 A (≤ 158 °F (70 °C)) at 690 V AC AC-1 power circuit
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	480 V AC 50/60 Hz
Overtoltage category	III
[Ith] conventional free air thermal current	20 A at ≤ 122 °F (50 °C) power circuit
Irms rated making capacity	144 A AC power circuit conforming to NF C 63-110 144 A AC power circuit conforming to IEC 60947
Rated breaking capacity	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
Associated fuse rating	25 A gG at ≤ 440 V power circuit 25 A aM power circuit
Average impedance	3 mOhm at 50 Hz - Ith 20 A power circuit
Inrush power in VA	30 VA at 68 °F (20 °C)
Hold-in power consumption in VA	4.5 VA at 68 °F (20 °C)
Heat dissipation	1.3 W
Control circuit voltage limits	0.2...0.75 U _c at ≤ 122 °F (50 °C) drop-out 0.8...1.15 U _c at ≤ 122 °F (50 °C) operational
Operating rate	3600 cyc/h
Signalling circuit frequency	≤ 400 Hz
Operating time	10...20 ms coil de-energisation and NO opening 10...20 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 robustness	Shocks contactor closed, on X axis 10 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed, on Y axis 15 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed, on Z axis 15 Gn for 11 ms IEC 60068-2-27 Shocks contactor opened, on X axis 6 Gn for 11 ms IEC 60068-2-27 Shocks contactor opened, on Y axis 10 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
Width	1.77 in (45 mm)

Environment

product certifications	CSA UL
protective treatment	TC conforming to IEC 60068 TC conforming to DIN 50016
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

Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 0640 - Schneider Electric declaration of conformity	Compliant - since 0640 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Available	Available
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer.	Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer.
For more information go to www.p65warnings.ca.gov	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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