



Main

Range	TeSys
Product name	TeSys CAK
Product or component type	Control relay
Device short name	CA4K
Contactur application	Control circuit
Utilisation category	AC-15 DC-13
Pole contact composition	2 NO + 2 NC
System Voltage	<= 690 V <= 400 Hz
Control circuit type	DC low consumption
[Uc] control circuit voltage	24 V DC

Complementary

Coil technology	Built-in bidirectional peak limiting diode suppressor
[Ith] conventional free air thermal current	10 A at <= 122 °F (50 °C)
Irms rated making capacity	110 A conforming to IEC 60947
Associated fuse rating	10 A gG conforming to IEC 60947 10 A gG conforming to VDE 0660
[Ui] rated insulation voltage	690 V conforming to BS 5424 690 V conforming to IEC 60947 750 V conforming to VDE 0110 group C 600 V conforming to CSA C22.2 No 14
Mounting support	Plate Rail
Connections - terminals	Spring terminals 1 cable(s) 0...0 in ² (0.75...1.5 mm ²) - cable stiffness: solid Spring terminals 1 cable(s) 0...0 in ² (0.75...1.5 mm ²) - cable stiffness: flexible - without cable end
Control circuit voltage limits	0.7...1.3 Uc at 122 °F (50 °C) operational 0.1...0.75 Uc at 122 °F (50 °C) drop-out
Operating time	10...20 ms coil de-energisation and NO opening 25...35 ms coil energisation and NC opening 30...40 ms coil energisation and NO closing 15...25 ms coil de-energisation and NC closing
Mechanical durability	30 Mcycles
Operating rate	6000 cyc/h
Immunity to microbreaks	2 ms
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
Minimum switching voltage	17 V
Minimum switching current	5 mA
Non overlap distance	0.02 in (0.5 mm)
Insulation resistance	> 10 MOhm
Height	2.28 in (58 mm)
Width	1.77 in (45 mm)
Depth	2.24 in (57 mm)
Product weight	0.52 lb(US) (0.235 kg)

Environment

standards	BS 5424
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IEC 60947
VDE 0660
NF C 63-140

product certifications	CSA UL
protective treatment	TC conforming to IEC 60068
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	Vibrations contactor closed 4 Gn, 5...300 Hz IEC 60068-2-6 Vibrations contactor open 2 Gn, 5...300 Hz IEC 60068-2-6 Shocks contactor open 10 Gn for 11 ms IEC 60068-2-27 Shocks contactor closed 15 Gn for 11 ms IEC 60068-2-27

Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 0825 - Schneider Electric declaration of conformity	Compliant - since 0825 - 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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