



## Main

Range	TeSys
Product name	TeSys CAK
Product or component type	Control relay
Device short name	CA3K
Contact application	Control circuit
Utilisation category	AC-15 DC-13
Pole contact composition	2 NO + 2 NC
[Ue] rated operational voltage	≤ 690 V ≤ 400 Hz
Control circuit type	DC standard
[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 ≤ 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) 0.75...1.5 mm <sup>2</sup> - cable stiffness: solid Spring terminals 1 cable(s) 0.75...1.5 mm <sup>2</sup> - cable stiffness: flexible - without cable end
Control circuit voltage limits	0.8...1.15 U <sub>c</sub> at 50 °C operational 0.1...0.75 U <sub>c</sub> at 50 °C drop-out
Operating time	10 ms coil de-energisation and NO opening 15 ms coil de-energisation and NC closing 25...35 ms coil energisation and NC opening 30...40 ms coil energisation and NO closing
Mechanical durability	20 Mcycles
Operating rate	10000 cyc/h
Immunity to microbreaks	2 ms
Inrush power in W	3 W at 20 °C
Hold-in power consumption in W	3 W at 20 °C
Heat dissipation	3 W
Minimum switching voltage	17 V
Minimum switching current	5 mA
Non overlap distance	0.5 mm
Insulation resistance	> 10 MOhm
Height	58 mm
Width	45 mm
Depth	57 mm
Product weight	0.225 kg

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## Environment

standards	BS 5424 IEC 60947 VDE 0660 NF C 63-140
product certifications	CSA UL
protective treatment	TC conforming to IEC 60068
ambient air temperature for operation	-25...50 °C
ambient air temperature for storage	-50...80 °C
operating altitude	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

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0825 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available