Product data sheet
Characteristics

CA4KN403BW3
control relay, TeSys K, 4P(4NO), 690V, 24V DC, low consumption coil



Main

Range	TeSys
Product name	TeSys CAK
Product or component type	Control relay
Device short name	CA4K
Contactor application	Control circuit
Utilisation category	AC-15 DC-13
Pole contact composition	4 NO
[Ue] rated operational 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 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 IEC 60947 750 V conforming to VDE 0110 group C 690 V conforming to BS 5424 600 V conforming to CSA C22.2 No 14
Mounting support	Plate Rail
Connections - terminals	Spring terminals 1 cable(s) 0.75…1.5 mm²solid Spring terminals 1 cable(s) 0.75…1.5 mm²flexible without cable end
Control circuit voltage limits	Drop-out: 0.1...0.75 Uc (at <50 °C) Operational: 0.7...1.3 Uc (at <50 °C)
Operating time	10...20 ms coil de-energisation and NO opening 30...40 ms coil energisation and NO closing
Mechanical durability	30 Mcycles
Maximum operating rate	6000 Cyc/H
Immunity to microbreaks	2 Ms
Inrush power in W	1.8 W (at 20 °C)
Hold-in power consumption in W	1.8 W at 20 °C
Heat dissipation	1.8 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
Net weight	0.235 Kg

Environment

Standards	EN/IEC 60947-5-1 GB/T 14048.5 UL 60947-5-1 CSA C22.2 No 60947-5-1 JIS C8201-5-1
Product certifications	CB Scheme[RETURN]CCC[RETURN]UL[RETURN]CSA[RETURN]EAC[RETURN]CE[RETURN]U
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
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 open: 2 Gn, 5...300 Hz conforming to IEC 60068-2-6 Vibrations contactor closed: 4 Gn, 5...300 Hz conforming to IEC 60068-2-6 Shocks contactor open: 10 Gn for 11 ms conforming to IEC 60068-2-27 Shocks contactor closed: 15 Gn for 11 ms conforming to IEC 60068-2-27

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.8 Cm
Package 1 Width	6.2 Cm
Package 1 Length	6.5 Cm
Package 1 Weight	227.0 G
Unit Type of Package 2	S02
Number of Units in Package 2	40
Package 2 Height	15.0 Cm
Package 2 Width	30.0 Cm
Package 2 Length	40.0 Cm
Package 2 Weight	9.324 Kg

Offer Sustainability

Recyclability potential, in %	63
Total lifecycle Carbon footprint	68 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	1.1656260257153812
Carbon footprint of the manufacturing phase [A1 to A3]	1 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.44987167190623684
Carbon footprint of the distribution phase [A4]	0.4 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.03092680916671833
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	66.42495687369716
REACh free of SVHC	Yes
Carbon footprint of the use phase [B2, B3, B4, B6]	66 kg CO2 eq.
Toxic heavy metal free	Yes
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.3266921799369075
Carbon footprint of the end-of-life phase [C1 to C4]	0.3 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	68
Packaging made with recycled cardboard	Yes

Packaging without single use plastic	Yes
REACh Regulation	Free of Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
California proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony tr
End of life manual availability	End Of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised