



Main

Range	TeSys TeSys Deca
Product name	TeSys CAD TeSys Deca
Product or component type	Control relay
Device short name	CAD
Contactor application	Control circuit
Utilisation category	AC-14 AC-15 DC-13
Pole contact composition	5 NO
[Uc] control circuit voltage	48 V AC 50/60 Hz

Complementary

[Ue] rated operational voltage	≤ 690 V AC 25...400 Hz
Mechanical durability	30 Mcycles
Maximum operating rate	180 cyc/mn
Operating time	12...22 ms coil energisation and NO closing 4...12 ms coil de-energisation and NO opening
Control circuit voltage limits	Operational: 0.8...1.1 Uc at 50 Hz Operational: 0.85...1.1 Uc at 60 Hz Drop-out: 0.3...0.6 Uc
Hold-in power consumption in VA	8 VA 50 Hz (at 20 °C)
Inrush power in VA	70 VA 50 Hz (at 20 °C)
[Ith] conventional free air thermal current	10 A (at 40 °C)
Irms rated making capacity	140 A AC conforming to IEC 60947-5-1 250 A DC conforming to IEC 60947-5-1
[Icw] rated short-time withstand current	100 A - 1 s 120 A - 500 ms 140 A - 100 ms
Associated fuse rating	10 A gG conforming to IEC 60947-5-1
[Ui] rated insulation voltage	690 V conforming to IEC 60947-5-1
Insulation resistance	> 10 MOhm
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947
Minimum switching current	5 mA
Switching voltage	17 V
Non-overlap time	1.5 Ms on energisation between NC and NO contact 1.5 ms on de-energisation between NC and NO contact
Mounting support	Plate Rail
Connections - terminals	Screw clamp terminals 1 1...4 mm ² - cable stiffness: flexible without cable end Screw clamp terminals 2 1...4 mm ² - cable stiffness: flexible without cable end Screw clamp terminals 1 1...4 mm ² - cable stiffness: flexible with cable end Screw clamp terminals 2 1...2.5 mm ² - cable stiffness: flexible with cable end Screw clamp terminals 1 1...4 mm ² - cable stiffness: rigid without cable end Screw clamp terminals 2 1...4 mm ² - cable stiffness: rigid without cable end
Tightening torque	1.7 N.m - on screw clamp terminals
Height	77 mm
Width	45 mm

Depth	84 mm
Net weight	580 g



Environment

Standards	IEC 60947-5-1 GB 14048.5
Product certifications	CCC[RETURN]CE[RETURN]UKCA
Quality labels	CE
IP degree of protection	IP2X front face conforming to IEC 60529
Protective treatment	TH conforming to IEC 60068
Ambient air temperature for operation	-40...70 °C
Ambient air temperature for storage	-60...80 °C
Operating altitude	3000 m
Mechanical robustness	Shocks 11 ms control relay open (10 Gn) conforming to IEC 60068-2-27 Shocks 11 ms control relay closed (15 gn) conforming to IEC 60068-2-27 Vibrations control relay open (2 Gn, 5...300 Hz) conforming to IEC 60068-2-6 Vibrations control relay closed (4 Gn, 5...300 Hz) conforming to IEC 60068-2-6

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.0 cm
Package 1 Width	9.3 cm
Package 1 Length	5.2 cm
Package 1 Weight	385.4 g
Unit Type of Package 2	CAR
Number of Units in Package 2	24
Package 2 Height	30.0 cm
Package 2 Width	40.0 cm
Package 2 Length	15.0 cm
Package 2 Weight	9.3 kg
Unit Type of Package 3	PAL
Number of Units in Package 3	384
Package 3 Height	60.0 cm
Package 3 Width	80.0 cm
Package 3 Length	75.0 cm
Package 3 Weight	148.194 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins