



## 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	3 NO + 2 NC
[Uc] control circuit voltage	400 V AC 50/60 Hz

## Complementary

[Ue] rated operational voltage	$\leq 690$ 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 4...19 ms coil energisation and NC opening 6...17 ms coil de-energisation and NC closing
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	Rail Plate
Connections - terminals	Screw clamp terminals 1 1...4 mm <sup>2</sup> - cable stiffness: flexible without cable end Screw clamp terminals 2 1...4 mm <sup>2</sup> - cable stiffness: flexible without cable end Screw clamp terminals 1 1...4 mm <sup>2</sup> - cable stiffness: flexible with cable end Screw clamp terminals 2 1...2.5 mm <sup>2</sup> - cable stiffness: flexible with cable end Screw clamp terminals 1 1...4 mm <sup>2</sup> - cable stiffness: rigid without cable end Screw clamp terminals 2 1...4 mm <sup>2</sup> - 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	GB 14048.5 IEC 60947-5-1
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	334.4 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	8.076 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	128.61 kg

## Offer Sustainability

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