# **Product datasheet**

Specification





# TeSys D control relay - 3 NO + 2 NC - <= 690 V - 240 V AC standard coil

CAD32U7

### Main

Range	TeSys TeSys Deca
Product Name	TeSys CAD
Product Or Component Type	Control relay
Device Short Name	CAD
Contactor Application	Control circuit

### Complementary

Complementary	
Utilisation Category	AC-14
	DC-13
	AC-15
Pole Contact Composition	3 NO + 2 NC
[Ue] Rated Operational Voltage	<= 690 V AC 25400 Hz
Control Circuit Type	AC at 50/60 Hz
[Uc] Control Circuit Voltage	240 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	6 kV conforming to IEC 60947
[Ith] Conventional Free Air Thermal Current	10 A (at 60 °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	100 A - 1 s
Current	120 A - 500 ms
	140 A - 100 ms
Associated Fuse Rating	10 A gG conforming to IEC 60947-5-1
[Ui] Rated Insulation Voltage	600 V UL certified
	600 V CSA certified
	690 V conforming to IEC 60947-5-1
Mounting Support	Rail
	Plate
Connections - Terminals	Screw clamp terminals 1 cable(s) 14 mm²flexible without cable end
	Screw clamp terminals 2 cable(s) 14 mm²flexible without cable end
	Screw clamp terminals 1 cable(s) 14 mm²flexible with cable end
	Screw clamp terminals 2 cable(s) 12.5 mm²flexible with cable end
	Screw clamp terminals 1 cable(s) 14 mm²solid without cable end
	Screw clamp terminals 2 cable(s) 14 mm²solid without cable end
Tightening Torque	1.2 N.m - on screw clamp terminals - with screwdriver Philips No 2
	1.2 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm
	1.2 N.m - on screw clamp terminals - with screwdriver pozidriv No 2

Control Circuit Voltage Limits	0.3 0.6 He (.4070 °C) drop out AC 50/60 Hz
Control Official Voltage Liffits	0.30.6 Uc (-4070 °C):drop-out AC 50/60 Hz 0.81.1 Uc (-4060 °C):operational AC 50 Hz
	0.851.1 Uc (-4060 °C):operational AC 60 Hz
	11.1 Uc (6070 °C):operational AC 50/60 Hz
Operating Time	1222 ms coil energisation and NO closing
	412 ms coil de-energisation and NO opening
	419 ms coil energisation and NC opening
	617 ms coil de-energisation and NC closing
Mechanical Durability	30 Mcycles
Maximum Operating Rate	180 cyc/mn
Inrush Power In Va	70 VA 50 Hz (at 20 °C)
Hold-In Power Consumption In Va	8 VA 50 Hz (at 20 °C)
Minimum Switching Voltage	17 V
Minimum Switching Current	5 mA
Non-Overlap Time	1.5 ms on energisation between NC and NO contact
·	1.5 ms on de-energisation between NC and NO contact
Insulation Resistance	> 10 MOhm
Mechanical Robustness	Shocks control relay open: 10 Gn for 11 ms conforming to IEC 60068-2-27
	Shocks control relay closed: 15 Gn for 11 ms conforming to IEC 60068-2-27
	Vibrations control relay open: 2 Gn, 5300 Hz conforming to IEC 60068-2-6
	Vibrations control relay closed: 4 Gn, 5300 Hz conforming to IEC 60068-2-6
Height	77 mm
Width	45 mm
Depth	84 mm
Net Weight	0.58 kg
Environment	
Standards	EN/IEC 60947-5-1
	GB/T 14048.5
	UL 60947-5-1
	CSA C22.2 No 60947-5-1
	.IIS C8201-5-1

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 CCC UL CSA EAC CE UKCA
Ip Degree Of Protection	IP2X front face conforming to VDE 0106
Protective Treatment	TH conforming to IEC 60068
Ambient Air Temperature For Operation	-4060 °C 6070 °C with derating
Ambient Air Temperature For Storage	-6080 °C
Operating Altitude	03000 m

### **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	5.200 cm
Package 1 Width	9.200 cm

Package 1 Length	11.200 cm
Package 1 Weight	356.000 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	20
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	7.458 kg

# **Contractual warranty**

Warranty 18 months

## Sustainability Green Premium

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Guide to assess a product's sustainability >





Transparency RoHS/REACh

### Well-being performance



Mercury Free



Rohs Exemption Information

Yes

### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration  Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information