# **Product datasheet**





## TeSys D control relay - 3 NO + 2 NC - <= 690 V - 250 V DC standard coil

Local distributor code: 381796059 CAD32UD

EAN Code: 3389110405392

#### Main

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

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	DC standard
[Uc] Control Circuit Voltage	250 V DC
[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 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	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	0.10.25 Uc (-4070 °C):drop-out DC 0.71.25 Uc (-4060 °C):operational DC

1...1.25 Uc (60...70 °C):operational DC

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Operating Time	5372 ms coil energisation and NO closing
	1624 ms coil de-energisation and NO opening
	4763 ms coil energisation and NC opening
	1525 ms coil de-energisation and NC closing
Mechanical Durability	30 Mcycles
Maximum Operating Rate	180 cyc/mn
Fime Constant	28 ms
nrush Power In W	5.4 W (at 20 °C)
Hold-In Power Consumption In W	5.4 W 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
t-t-late	
	77 mm
Vidth	45 mm
Depth	93 mm
	93 mm 0.58 kg
Net Weight	
Net Weight	
Net Weight  Environment	
Net Weight  Environment	0.58 kg  EN/IEC 60947-5-1 GB/T 14048.5
Net Weight  Environment	0.58 kg  EN/IEC 60947-5-1 GB/T 14048.5 UL 60947-5-1
Net Weight  Environment	0.58 kg  EN/IEC 60947-5-1 GB/T 14048.5
Net Weight  Environment  Standards	0.58 kg  EN/IEC 60947-5-1 GB/T 14048.5 UL 60947-5-1 CSA C22.2 No 60947-5-1
Net Weight  Environment  Standards	0.58 kg  EN/IEC 60947-5-1 GB/T 14048.5 UL 60947-5-1 CSA C22.2 No 60947-5-1 JIS C8201-5-1
Net Weight  Environment  Standards	0.58 kg  EN/IEC 60947-5-1 GB/T 14048.5 UL 60947-5-1 CSA C22.2 No 60947-5-1 JIS C8201-5-1  CB CCC UL
Net Weight  Environment  Standards	0.58 kg  EN/IEC 60947-5-1 GB/T 14048.5 UL 60947-5-1 CSA C22.2 No 60947-5-1 JIS C8201-5-1  CB CCC UL CSA
Net Weight  Environment  Standards	0.58 kg  EN/IEC 60947-5-1 GB/T 14048.5 UL 60947-5-1 CSA C22.2 No 60947-5-1 JIS C8201-5-1  CB CCC UL CSA EAC
Net Weight  Environment  Standards	0.58 kg  EN/IEC 60947-5-1 GB/T 14048.5 UL 60947-5-1 CSA C22.2 No 60947-5-1 JIS C8201-5-1  CB CCC UL CSA
Net Weight  Environment  Standards  Product Certifications	0.58 kg  EN/IEC 60947-5-1 GB/T 14048.5 UL 60947-5-1 CSA C22.2 No 60947-5-1 JIS C8201-5-1  CB CCC UL CSA EAC CE
Environment Standards  Product Certifications	0.58 kg  EN/IEC 60947-5-1 GB/T 14048.5 UL 60947-5-1 CSA C22.2 No 60947-5-1 JIS C8201-5-1  CB CCC UL CSA EAC CE UKCA
Environment Standards  Product Certifications  Ip Degree Of Protection  Protective Treatment	0.58 kg  EN/IEC 60947-5-1 GB/T 14048.5 UL 60947-5-1 CSA C22.2 No 60947-5-1 JIS C8201-5-1  CB CCC UL CSA EAC CE UKCA  IP2X front face conforming to VDE 0106  TH conforming to IEC 60068
Net Weight  Environment  Standards  Product Certifications  Ip Degree Of Protection  Protective Treatment  Ambient Air Temperature For	0.58 kg  EN/IEC 60947-5-1 GB/T 14048.5 UL 60947-5-1 CSA C22.2 No 60947-5-1 JIS C8201-5-1  CB CCC UL CSA EAC CE UKCA  IP2X front face conforming to VDE 0106
Depth Net Weight  Environment  Standards  Product Certifications  Ip Degree Of Protection  Protective Treatment  Ambient Air Temperature For Operation  Ambient Air Temperature For Storage	0.58 kg  EN/IEC 60947-5-1 GB/T 14048.5 UL 60947-5-1 CSA C22.2 No 60947-5-1 JIS C8201-5-1  CB CCC UL CSA EAC CE UKCA  IP2X front face conforming to VDE 0106  TH conforming to IEC 60068  -4060 °C

## **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	11.7 cm
Package 1 Width	9.3 cm
Package 1 Length	5.4 cm
Package 1 Weight	529.0 g

Unit Type Of Package 2	S02
Number Of Units In Package 2	15
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	8.328 kg

### **Contractual warranty**

Warranty 18 months

## Sustainability Green Premium

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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