CAD32D7

Device short name

Contactor application

TeSys D control relay - 3 NO + 2 NC - <= 690 V - 42 V AC standard coil





Main Range TeSys Product name TeSys CAD Product or component Control relay type

CAD

Control circuit

Complementary

Complementary		
Utilisation category	AC-15 AC-14	
	DC-13	
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	42 V AC 50/60 Hz	
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947	
[Ith] conventional free air thermal current	10 A 140 °F (60 °C)	
Irms rated making capacity	140 A AC IEC 60947-5-1 250 A DC IEC 60947-5-1	
[lcw] rated short-time withstand current	100 A - 1 s 120 A - 500 ms 140 A - 100 ms	
Associated fuse rating	10 A gG IEC 60947-5-1	
[Ui] rated insulation voltage	600 V UL 600 V CSA 690 V IEC 60947-5-1	
Mounting support	Rail Plate	
Connections - terminals	Screw clamp terminals 1 0.000.01 in² (14 mm²)flexible without cable end Screw clamp terminals 2 0.000.01 in² (14 mm²)flexible without cable end Screw clamp terminals 1 0.000.01 in² (14 mm²)flexible with cable end Screw clamp terminals 2 0.000.00 in² (12.5 mm²)flexible with cable end Screw clamp terminals 1 0.000.01 in² (14 mm²)solid without cable end Screw clamp terminals 2 0.000.01 in² (14 mm²)solid without cable end	
Tightening torque	10.62 Lbf.In (1.2 N.m) screw clamp terminals Philips No 2 10.62 lbf.in (1.2 N.m) screw clamp terminals flat Ø 6 mm	
Control circuit voltage limits	0.30.6 Uc -40158 °F (-4070 °C) drop-out AC 50/60 Hz 0.81.1 Uc -40140 °F (-4060 °C) operational AC 50 Hz 0.851.1 Uc -40140 °F (-4060 °C) operational AC 60 Hz 11.1 Uc 140158 °F (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 68 °F (20 °C))	
Hold-in power consumption in VA	8 VA 50 Hz 68 °F (20 °C))	
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Minimum switching voltage	17 V
Minimum switching current	5 mA
Non-overlap time	1.5 Ms on energisation between NC and NO contact1.5 ms on de-energisation between NC and NO contact
Insulation resistance	> 10 MOhm
Mechanical robustness	Shocks control relay open10 Gn for 11 ms IEC 60068-2-27 Shocks control relay closed15 Gn for 11 ms IEC 60068-2-27 Vibrations control relay open2 Gn, 5300 Hz IEC 60068-2-6 Vibrations control relay closed4 Gn, 5300 Hz IEC 60068-2-6
Height	3.03 in (77 mm)
Width	1.77 in (45 mm)
Maximum Depth	3.31 in (84 mm)
Net Weight	1.28 lb(US) (0.58 kg)

Environment

Standards	BS 4794	
Citalidad	EN 60947-5	
	IEC 60947-5-1	
	NF C 63-140	
	VDE 0660	
Product certifications	UL	
	CSA	
IP degree of protection	IP2x front face VDE 0106	
Protective treatment	TH IEC 60068	
Ambient air temperature for operation	-40140 °F (-4060 °C)	-
	140158 °F (6070 °C) with derating	
Ambient air temperature for storage	-76176 °F (-6080 °C)	
Operating altitude	03000 m	

Ordering and shipping details

Category	22371 - RELAYS, CONTROL	
Discount Schedule	112	
GTIN	00785901708131	
Nbr. of units in pkg.	1	
Package weight(Lbs)	1.28 lb(US) (0.58 kg)	
Returnability	No	
Country of origin	FR	

Packing Units

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Unit Type of Package 1	PCE
Package 1 Height	1.97 in (5 cm)
Package 1 width	3.62 in (9.2 cm)
Package 1 Length	4.45 in (11.3 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	20
Package 2 Weight	16.61 lb(US) (7.535 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Unit Type of Package 3	P06
Number of Units in Package 3	160
Package 3 Weight	153.75 lb(US) (69.74 kg)
Package 3 Height	17.72 in (45 cm)
Package 3 width	31.50 in (80 cm)
Package 3 Length	23.62 in (60 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov
REACh Regulation	☑REACh Declaration
EU RoHS Directive	Compliant EPEU RoHS Declaration
Mercury free	Yes
RoHS exemption information	₫Yes
China RoHS Regulation	☑ China RoHS Declaration
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.
Contractual warranty	
Warranty	18 months