Product data sheet

Specifications





TeSys Deca control relay - 5 NO - <= 690 V - 24 V AC standard coil

CAD50B7

Product availability: Stock - Normally stocked in distribution facility

Price*: 63.25 USD

Main

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

Complementary

o impromortary	
Utilisation Category	AC-15
	DC-13 AC-14
	A0-14
Pole Contact Composition	5 NO
[Ue] Rated Operational Voltage	<= 690 V AC 25400 Hz
Control Circuit Type	AC 50/60 Hz
[Uc] Control Circuit Voltage	24 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	6 kV IEC 60947
[Ith] Conventional Free Air Thermal Current	10 A (at 140 °F (60 °C))
Irms Rated Making Capacity	140 A AC IEC 60947-5-1
3 . • • •	250 A DC 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
	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
Connections - Terminals	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
rightening relique	10.62 lbf.in (1.2 N.m) screw clamp terminals flat Ø 6 mm
	10.62 lbf.in (1.2 N.m) screw clamp terminals pozidriv No 2

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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
Mechanical Durability	30 Mcycles
Maximum Operating Rate	180 cyc/mn
Inrush Power In Va	70 VA 50 Hz (at 68 °F (20 °C))
Hold-In Power Consumption In Va	8 VA 50 Hz (at 68 °F (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 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)
Depth	3.31 in (84 mm)
Net Weight	1.28 lb(US) (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 JIS C8201-5-1
Product Certifications	CB CCC UL CSA EAC CE UKCA
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	09842.52 ft (03000 m)

Ordering and shipping details

Category	US10I1222371
Discount Schedule	0112
Gtin	3389110402858
Returnability	Yes
Country Of Origin	ID

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.97 in (5 cm)
Package 1 Width	3.62 in (9.2 cm)
Package 1 Length	4.41 in (11.2 cm)
Package 1 Weight	12.42 oz (352 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	20
Package 2 Height	5.91 in (15 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	16.76 lb(US) (7.6 kg)
Unit Type Of Package 3	P06
Number Of Units In Package 3	320
Package 3 Height	30.31 in (77 cm)
Package 3 Width	31.50 in (80 cm)
Package 3 Length	23.62 in (60 cm)
Package 3 Weight	286.82 lb(US) (130.1 kg)

Contractual warranty

Warranty 18 months

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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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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
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

Apr 16, 2024