Product data sheet Characteristics

CAD323FE7

TeSys D control relay - 3 NO + 2 NC - <= 690 V - 115 V AC standard coil





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

Contactor application Control circuit

CAD

type

Device short name

Complementary

Complementary	
Utilisation category	AC-15 DC-13
	AC-14
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	115 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947
[lth] conventional free air thermal current	10 A (at 60 °C)
Irms rated making capacity	140 A AC IEC 60947-5-1 250 A DC 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 600 V CSA 690 V IEC 60947-5-1
Mounting support	Rail Plate
Connections - terminals	Spring terminals 1 0.000.00 in² (12.5 mm²)flexible without cable end Spring terminals 2 0.000.00 in² (12.5 mm²)flexible without cable end Spring terminals 1 0.000.00 in² (12.5 mm²)solid without cable end Spring terminals 2 0.000.00 in² (12.5 mm²)solid without cable end
Control circuit voltage limits	0.30.6 Uc (-4070 °C):drop-out AC 50/60 Hz 0.81.1 Uc -40140 °F (-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 68 °F (20 °C))
Hold-in power consumption in VA	8 VA 50 Hz 68 °F (20 °C))
Minimum switching voltage	17 V
Minimum switching current	5 mA

Insulation resistance	Non-overlap time	1.5 Ms on energisation between NC and NO contact 1.5 ms on de-energisation between NC and NO contact
Shoelse control relay open 10 Gn for 11 ms IEC 60088.2-27 Noholes control relay open 10 Gn for 11 ms IEC 60088.2-37 Vibrations control relay open 2 Gn for 11 ms IEC 60088.2-37 Vibrations control relay open 2 Gn for 5300 Hz IEC 60088.2-6 Vibrations control relay open 2 Gn for 5300 Hz IEC 60088.2-6 Vibrations control relay open 2 Gn for 5300 Hz IEC 60088.2-6 Vibrations control relay open 2 Gn for 5300 Hz IEC 60088.2-6 Vibrations control relay open 2 Gn for 5300 Hz IEC 60088.2-6 Vibrations control relay open 2 Gn for 5300 Hz IEC 60088.2-6 Vibrations control relay open 2 Gn for 5300 Hz IEC 60088.2-6 Vibrations control relay open 2 Gn for 5300 Hz IEC 60088.2-6 Vibrations control relay open 2 Gn for 5300 Hz IEC 60088.2-6 Vibrations control relay open 2 Gn for 5300 Hz IEC 60088.2-7 Vibrations control relay open 2 Gn for 5300 Hz IEC 60088.2-7 Vibrations control relay open 2 Gn for 6300 Cn for 6300	Insulation resistance	<u> </u>
Maximum Depth	Mechanical robustness	Shocks control relay closed15 Gn for 11 ms IEC 60068-2-27 Vibrations control relay open2 Gn, 5300 Hz IEC 60068-2-6
Maximum Depth Net Weight 1.28 Ib(US) (0.58 kg) Environment Standards BS 4794 EN 09047-5 IEC 09047-5-1 IEC 09047-5 IEC 09047-5-1 IEC 09047-5 IEC 09049-IEC 09068 Ambient air temperature for storage -76176 °F (-6080 °C) Overating and shipping details Category 22371 - RELAYS, CONTROL Discount Schedule II2 GTIN 00765901624066 Nor. of units in pkg. 1 Interval of units in pkg. 22371 - RELAYS, CONTROL Interval of units in pkg. 1 Interval of units in pkg. 1 Interval of units in pkg. 1 Interval of units in pkg. 22371 - RELAYS, CONTROL Interval of units in pkg. 1 Interval of	Height	3.90 in (99 mm)
Net Weight		· · · · · · · · · · · · · · · · · · ·
Environment Standards BS 4794 FN 80987-5 INF C 83-140 VDE 0660 Product certifications CSA UL IP degree of protection IP2x front face VDE 0106 IP3x front face VDE 0106	<u> </u>	
Standards BS 4794 EN 690947-5 IEC 690948 IP degree of protection IP2x front face VDE 0106 IP2x fr	Net Weight	1.28 lb(US) (0.58 kg)
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Warranty 18 months