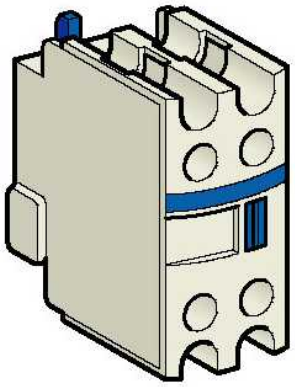
Product data sheet
Characteristics

LADN20
auxiliary contact block TeSys - 2 NO - screw-clamps terminals



Main

Range of product	TeSys D TeSys F
Product or component type	Auxiliary contact block
Product compatibility	CR1F LC1F TeSys D contactor TeSys D control relays TeSys D reversing contactor
Pole contact composition	2 NO
Connections - terminals	Control circuit: screw clamp terminals 1 cable 1...2.5 mm² - cable stiffness: flexible - with cable end Control circuit: screw clamp terminals 1 cable 1...2.5 mm² - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 1 cable 1...2.5 mm² - cable stiffness: solid - with cable end Control circuit: screw clamp terminals 1 cable 1...2.5 mm² - cable stiffness: solid - without cable end Control circuit: screw clamp terminals 2 cable 1...2.5 mm² - cable stiffness: flexible - with cable end Control circuit: screw clamp terminals 2 cable 1...2.5 mm² - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 2 cable 1...2.5 mm² - cable stiffness: solid - with cable end Control circuit: screw clamp terminals 2 cable 1...2.5 mm² - cable stiffness: solid - without cable end

Complementary

Mounting location	Front
[Ui] rated insulation voltage	600 V - certifications CSA - for control circuit 600 V - certifications UL - for control circuit 690 V - conforming to IEC 60947-5-1 - for control circuit
[Ue] rated operational voltage	690 V AC 25...400 Hz for control circuit
[Ith] conventional free air thermal current	10 A at <= 60 °C for control circuit
Irms rated making capacity	140 A at <= 690 V AC for control circuit conforming to IEC 60947-5-1 250 A at <= 690 V DC for control circuit conforming to IEC 60947-5-1
Protection type	GG fuse <= 10 A rating according to operational current for Ue <= 690 V for control circuit
Mechanical durability	30000000 cycles
Minimum switching current	5 mA for control circuit
Minimum switching voltage	17 V for control circuit
Non-overlap time	1.5 ms on de-energisation between NC and NO contacts 1.5 ms on energisation between NC and NO contacts
Overlap time	1.5 ms
Insulation resistance	> 10 MOhm for control circuit

Rated operational power in VA	100 VA at 600 V AC-14 - electrical durability: 10000000 cycles - for control circuit 100 VA at 600 V AC-15 - electrical durability: 10000000 cycles - for control circuit 1050 VA at 440 V AC-14 - electrical durability: 1000000 cycles - for control circuit 1050 VA at 440 V AC-15 - electrical durability: 1000000 cycles - for control circuit 120 VA at 48 V AC-14 - electrical durability: 1000000 cycles - for control circuit 120 VA at 48 V AC-15 - electrical durability: 1000000 cycles - for control circuit 1440 VA at 600 V AC-14 - electrical durability: 1000000 cycles - for control circuit 1440 VA at 600 V AC-15 - electrical durability: 1000000 cycles - for control circuit 16 VA at 24 V AC-14 - electrical durability: 3000000 cycles - for control circuit 16 VA at 24 V AC-15 - electrical durability: 3000000 cycles - for control circuit 160 VA at 230 V AC-14 - electrical durability: 3000000 cycles - for control circuit 160 VA at 230 V AC-15 - electrical durability: 3000000 cycles - for control circuit 20 VA at 115 V AC-14 - electrical durability: 10000000 cycles - for control circuit 20 VA at 115 V AC-15 - electrical durability: 10000000 cycles - for control circuit 280 VA at 115 V AC-14 - electrical durability: 1000000 cycles - for control circuit 280 VA at 115 V AC-15 - electrical durability: 1000000 cycles - for control circuit 280 VA at 400 V AC-14 - electrical durability: 3000000 cycles - for control circuit 280 VA at 400 V AC-15 - electrical durability: 3000000 cycles - for control circuit 300 VA at 440 V AC-14 - electrical durability: 3000000 cycles - for control circuit 300 VA at 440 V AC-15 - electrical durability: 3000000 cycles - for control circuit 32 VA at 48 V AC-14 - electrical durability: 3000000 cycles - for control circuit 32 VA at 48 V AC-15 - electrical durability: 3000000 cycles - for control circuit 4 VA at 24 V AC-14 - electrical durability: 10000000 cycles - for control circuit 4 VA at 24 V AC-15 - electrical durability: 10000000 cycles - for control circuit 40 VA at 230 V AC-14 - electrical durability: 10000000 cycles - for control circuit 40 VA at 230 V AC-15 - electrical durability: 10000000 cycles - for control circuit 420 VA at 600 V AC-14 - electrical durability: 3000000 cycles - for control circuit 420 VA at 600 V AC-15 - electrical durability: 3000000 cycles - for control circuit 560 VA at 230 V AC-14 - electrical durability: 1000000 cycles - for control circuit 560 VA at 230 V AC-15 - electrical durability: 1000000 cycles - for control circuit 60 VA at 24 V AC-14 - electrical durability: 1000000 cycles - for control circuit 60 VA at 24 V AC-15 - electrical durability: 1000000 cycles - for control circuit 70 VA at 400 V AC-14 - electrical durability: 10000000 cycles - for control circuit 70 VA at 400 V AC-15 - electrical durability: 10000000 cycles - for control circuit 8 VA at 48 V AC-14 - electrical durability: 10000000 cycles - for control circuit 8 VA at 48 V AC-15 - electrical durability: 10000000 cycles - for control circuit 80 VA at 115 V AC-14 - electrical durability: 3000000 cycles - for control circuit 80 VA at 115 V AC-15 - electrical durability: 3000000 cycles - for control circuit 80 VA at 440 V AC-14 - electrical durability: 10000000 cycles - for control circuit 80 VA at 440 V AC-15 - electrical durability: 10000000 cycles - for control circuit 960 VA at 400 V AC-14 - electrical durability: 1000000 cycles - for control circuit 960 VA at 400 V AC-15 - electrical durability: 1000000 cycles - for control circuit
Rated operational power in W	10 W at 440 V DC-13 - electrical durability: 10000000 cycles - for control circuit 12 W at 250 V DC-13 - electrical durability: 10000000 cycles - for control circuit 120 W at 24 V DC-13 - electrical durability: 1000000 cycles - for control circuit 14 W at 125 V DC-13 - electrical durability: 10000000 cycles - for control circuit 18 W at 48 V DC-13 - electrical durability: 10000000 cycles - for control circuit 25 W at 24 V DC-13 - electrical durability: 10000000 cycles - for control circuit 28 W at 440 V DC-13 - electrical durability: 3000000 cycles - for control circuit 33 W at 250 V DC-13 - electrical durability: 3000000 cycles - for control circuit 38 W at 125 V DC-13 - electrical durability: 3000000 cycles - for control circuit 50 W at 48 V DC-13 - electrical durability: 3000000 cycles - for control circuit 61 W at 440 V DC-13 - electrical durability: 1000000 cycles - for control circuit 68 W at 250 V DC-13 - electrical durability: 1000000 cycles - for control circuit 70 W at 24 V DC-13 - electrical durability: 3000000 cycles - for control circuit 75 W at 125 V DC-13 - electrical durability: 1000000 cycles - for control circuit 90 W at 48 V DC-13 - electrical durability: 1000000 cycles - for control circuit
Tightening torque	1.2 N.m control circuit:
Product weight	0.030 kg

Environment

Environmental characteristic	Normal environment
Standards	BS 4794 EN 60947-5-1 IEC 60947-5-1 NF C 63-140 VDE 0660
Product certifications	CSA UL
IP degree of protection	IP2x conforming to VDE 0106
Protective treatment	TH conforming to IEC 60068
Ambient air temperature for operation	-5...60 °C
Ambient air temperature for storage	-60...80 °C
Operating altitude	3000 m without derating in temperature