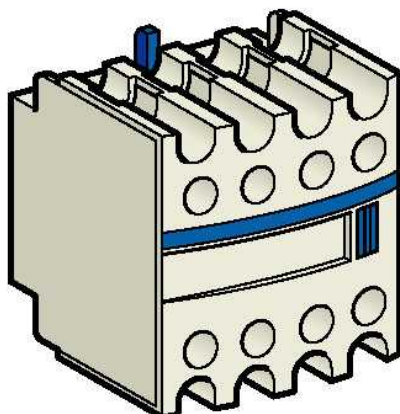


LADN31

auxiliary contact block TeSys - 3 NO + 1 NC -
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	3 NO + 1 NC
Connections - terminals	Control circuit: screw clamp terminals 1 cable 1...2.5 mm ² - cable stiffness: flexible - with cable end Control circuit: screw clamp terminals 1 cable 1...2.5 mm ² - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 1 cable 1...2.5 mm ² - cable stiffness: solid - with cable end Control circuit: screw clamp terminals 1 cable 1...2.5 mm ² - cable stiffness: solid - without cable end Control circuit: screw clamp terminals 2 cable 1...2.5 mm ² - cable stiffness: flexible - with cable end Control circuit: screw clamp terminals 2 cable 1...2.5 mm ² - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 2 cable 1...2.5 mm ² - cable stiffness: solid - with cable end Control circuit: screw clamp terminals 2 cable 1...2.5 mm ² - 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

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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	0.05 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