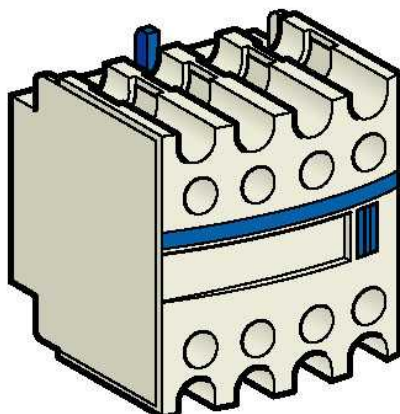


LADN31

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 products 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.

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|-------------------------------|--|
| 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

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|---------------------------------------|---|
| 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 |