



## Electrical Data, Auxiliary Contacts

| For Reversing and Non-Reversing  |   |       | CA9-S1/2* | CA9-S3/4* | CA9-S*-B* |
|--|---|-------|-----------|-----------|-----------|
| <b>Switching of AC Loads</b>   |   |       |           |           |           |
| Rated Insulation voltage $U_i$   |   |       | 690V      | 690V      | 250V      |
| Rated Operational voltage $U_e$  |   |       | 690V      | 690V      | 125V      |
| Rated Impulse Withstand voltage $U_{imp}$                                  |   |       | 6kV       | 6kV       | 1.5kV     |
| AC-12 $I_{th}$   | at 40°C   | [A]   | 16        | 16        | 0.1       |
|  | at 60°C   | [A]   | ~         | ~         | ~         |
| AC-14 at rated voltage of  | 24V   | [A]   | ~         | ~         | 0.1       |
|  | 42/48V  | [A]   | ~         | ~         | 0.1       |
|  | 120V  | [A]   | ~         | ~         | 0.1       |
| AC-15 at rated voltage of  | 24V   | [A]   | 6         | 6         | ~         |
|  | 42/48V  | [A]   | 6         | 6         | ~         |
|  | 120V  | [A]   | 6         | 6         | ~         |
|  | 230V  | [A]   | 4         | 4         | ~         |
|  | 240V  | [A]   | 4         | 4         | ~         |
|  | 400V  | [A]   | 3         | 3         | ~         |
|  | 415V  | [A]   | 3         | 3         | ~         |
|  | 500V  | [A]   | 2         | 2         | ~         |
| 690V   | [A]   | 2     | 2         | ~         |           |
| <b>Switching of DC Loads</b>   |   |       |           |           |           |
| DC-12 L/R < 1 ms<br>resistive loads at                                     | 24V DC  | [A]   | ~         | ~         | 0.1       |
|  | 48V DC  | [A]   | ~         | ~         | 0.1       |
|  | 110V DC   | [A]   | ~         | ~         | 0.1       |
|  | 220V DC   | [A]   | ~         | ~         | ~         |
|  | 440V DC   | [A]   | ~         | ~         | ~         |
| DC-12 L/R < 15 ms<br>inductive loads with economy resistor in<br>series at | 24V DC  | [A]   | ~         | ~         | ~         |
|  | 48V DC  | [A]   | ~         | ~         | ~         |
|  | 110V DC   | [A]   | ~         | ~         | ~         |
|  | 220V DC   | [A]   | ~         | ~         | ~         |
|  | 440V DC   | [A]   | ~         | ~         | ~         |
| DC-13 switching<br>electromagnetics at                                     | 24V DC  | [A]   | 3         | 6         | ~         |
|  | 48V DC  | [A]   | 1.5       | 2.8       | ~         |
|  | 110V DC   | [A]   | 0.55      | 0.55      | ~         |
|  | 220V DC   | [A]   | 0.3       | 0.3       | ~         |
| 440V DC  | [A]   | ~     | ~         | ~         |           |
| <b>Fuse gG</b>   |   |       |           |           |           |
| Short-circuit protection with no welding<br>of contacts per IEC 60947-5-2  |  | [A]   | 10        | 10        | 0.1       |
|  |  | [A]   | 10        | 10        | 0.1       |
| <b>Protective Separation per IEC 60947-1, Annex N</b>                      |   |       |           |           |           |
| Min. Switching capacity at 24V IEC 60947-5-4                               | [mA]  | 50    | 50        | ~         |           |
| Min. Switching capacity at 3V IEC 60947-5-4                                | [kVA]   | ~     | ~         | 1         |           |
| <b>Load Carrying Capacity per cULus</b>                                    |   |       |           |           |           |
| Rated voltage  | AC [V]  | 600   | 600       | 125       |           |
| Continuous rating  | 40°C [A]  | 10    | 10        | 0.1       |           |
| Switching capacity   | AC  | A 600 | A 600     | ~         |           |
| Rated voltage  | DC [V]  | 250   | 250       | 125       |           |
| Continuous rating  | 40°C [A]  | 2.5   | 2.5       | 0.1       |           |
| Switching capacity   | DC  | P 600 | Q 300     | ~         |           |
|  | 660V [kVA]  | 160   | 181       | 254       |           |