

Technical specifications

Load data for switch actuators per channel

| | | N 562/11 switch actuators, main module N 562/21 switch actuators, expansion | N 512/11 switch actuators, main module N 512/21 switch actuators, expansion | N 513/11 switch actuators, main module N 513/21 switch actuators, expansion | N 562 binary outputs | N 510/03 load switches | N 510/04 load switches | N 512 load switches | N 511/02 switch actuators | N 567 switch actuators | N 567/11 switch actuators |
|---|---------|--|--|--|----------------------|------------------------|------------------------|---------------------|---------------------------|------------------------|---------------------------|
| Contact current | | | | | | | | | | | |
| Rated current, AC | A | 10 AX ²⁾ | 16 AX | 20 AX | 10 | 16 | 16 | 16 | 16 | 8 | 8 |
| AC3 operation (p.f. = 0.45) | VA | 2300 | 3680 | 3680 | 500 | 2500 | 3680 | 3680 | ¹⁾ | 500 | 500 |
| Maximum switch-on peak current (if more than one, specification of the highest current value) | A/ms | ¹⁾ | ¹⁾ | ¹⁾ | ¹⁾ | 400/ 0.15 | 600/ 0.15 | 600/ 0.15 | ¹⁾ | ¹⁾ | 110/50 |
| Contact voltage | | | | | | | | | | | |
| Rated voltage, AC | V | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 |
| Service life | | | | | | | | | | | |
| Mechanical service life Switching operations in millions | | 1 | 1 | 1 | 50 | 1 | 1 | 1 | 30 | 2 | 10 |
| Electrical service life Switching operations in millions | | 0.1 | 0.1 | 0.1 | 0.1 | ¹⁾ | ¹⁾ | ¹⁾ | 0.1 | 0.1 | 0.1 |
| Power loss | | | | | | | | | | | |
| Maximum power loss per device at rated power | W | 3 | 3 | 3 | 1 | 5 | 5 | 9 | 10 | 5 | 4 |
| Switching capacities/load types, loads | | | | | | | | | | | |
| Resistive load | W | 3680 | 3680 | 4600 | 2300 | 3680 | 3680 | 3680 | 3680 | 1840 | 1840 |
| Minimum switching capacity | V/mA | 12/100 | 12/100 | 12/100 | 24/10 | 12/100 | 12/100 | 12/100 | ¹⁾ | 5/100 | 24/10 |
| DC switching capacity | V/A | 24/10 | 24/16 | 24/20 | 30/10 | 24/10 | 24/10 | 24/10 | 24/16 | 24/8 | 30/10 |
| Maximum capacitive load | µF | 200 | 200 | 200 | 35 | 140 | 200 | 200 | 35 | 35 | 35 |
| Incandescent lamps | | | | | | | | | | | |
| Incandescent lamps | W | 2300 | 3680 | 3680 | 1000 | 2500 | 3680 | 3680 | 1000 | 1000 | 1000 |
| Halogen lamp 230 V | W | 2300 | 3680 | 3680 | 1000 | 2500 | 3680 | 3680 | 1000 | 1000 | 1000 |
| LV halogen lamp with conventional transformer (inductive) | VA | 1200 | 2000 | 2000 | 500 | 500 | 2000 | 2000 | 500 | 200 ... 500 | 200 ... 500 |
| T5/T8 fluorescent lamps | | | | | | | | | | | |
| Uncorrected | VA | 2300 | 3680 | 3680 | 500 | 2500 | 3680 | 3680 | 500 | 500 | 500 |
| Parallel corrected (at max. possible C) | W | 1500 | 2500 | 2500 | 2 x 58 | 1300 | 2500 | 2500 | 2 x 58 | 2 x 58 | 2 x 58 |
| DUO circuit | VA | 1500 | 3680 | 3680 | 1000 | 2500 | 3680 | 3680 | 1000 | 1000 | 1000 |
| ECG Osram QTI 1 x 28/54 W ³⁾ | Unit(s) | 37 | 59 | 59 | 37 | 59 | 59 | 59 | 59 | 37 | 37 |
| ECG Osram QTP8 1 x 36 W | Unit(s) | 16 | 31 | 31 | 14 | 31 | 31 | 31 | 14 | 14 | 14 |
| ECG Osram QTI 1 x 35/49/80 W QTM 1 x 26-42 ³⁾ | Unit(s) | 11 | 21 | 21 | 10 | 21 | 21 | 21 | 10 | 10 | 10 |
| ECG Osram QTP8 2 x 58 W; QTI 2 x 35/49/80 ³⁾ | Unit(s) | 5 | 9 | 9 | 5 | 9 | 9 | 9 | 5 | 5 | 5 |
| Compact lamps | | | | | | | | | | | |
| Uncorrected | VA | 1600 | 3680 | 3680 | 500 | 1600 | 3680 | 3680 | 500 | 500 | 500 |
| Parallel corrected (at max. possible C) | W | 1100 | 2500 | 2500 | 300 | 1100 | 3000 | 3000 | 300 | 300 | 300 |
| ECG Osram Duluxtronics DT ³⁾ | Unit(s) | 15 | 25 | 25 | 15 | 25 | 25 | 25 | 25 | 15 | 15 |
| Mercury-vapor lamps | | | | | | | | | | | |
| ECG Osram PTI 35/220-240S ³⁾ | Unit(s) | 7 | 14 | 14 | 7 | 14 | 14 | 14 | 7 | 7 | 7 |
| ECG Osram PTI 70/220-240S ³⁾ | Unit(s) | 4 | 8 | 8 | 4 | 8 | 8 | 8 | 4 | 4 | 4 |

¹⁾ On request.

²⁾ Further information on page 2/3.

³⁾ The number of ECG types takes into account the use of miniature circuit breakers with characteristic B.

For complete technical specifications, see:
www.siemens.com/gamma-td.

| N 567/12 switch actuators | N 567/22 switch actuators | GE 561/02 binary outputs | GE 561/01 wave switch actuators GE 561/11 wave switch actuators | UP 562 binary outputs UP 562/11 binary outputs | UP 511/10 switch actuators | UP 562/31 switch actuators | N 502/02 combination switch actuators | N 670 universal I/O modules |
|---------------------------|---------------------------|--------------------------|--|---|----------------------------|----------------------------|---------------------------------------|-----------------------------|
| 2 | 10 | 10 | 16 | 10 | 16 | 6 | 16 | 10 |
| 1) ¹⁾ | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 |
| 1) ¹⁾ | 80/20 | 1) ¹⁾ | 80/20 | 110/50 | 400/20 | 400/20 | 80/20 | 110/50 |
| 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 |
| 20 | 30 | 50 | 30 | 10 | 5 | 5 | 30 | 10 |
| 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 5 | 9 | 2 | 4 | 2 | 2 | 1 | 13 | 9 |
| 460 | 2300 | 2300 | 3680 | 2300 | 3680 | 1380 | 3680 | 2300 |
| 5/10 | 24/100 | 24/10 | 24/100 | 24/10 | 1) ¹⁾ | 1) ¹⁾ | 24/100 | 24/100 |
| 24/8 | 24/10 | 30/10 | 24/16 | 30/10 | 1) ¹⁾ | 1) ¹⁾ | 24/16 | 30/10 |
| 12 | 35 | 35 | 35 | 35 | 105 | 105 | 35 | 35 |
| 500 | 1000 | 1000 | 1000 | 1000 | 2500 | 1380 | 1000 | 1000 |
| 500 | 1000 | 1000 | 1000 | 1000 | 2200 | 1000 | 1000 | 1000 |
| 200 | 500 | 500 | 500 | 200 ... 500 | 1000 | 1000 | 500 | 200 ... 500 |
| 200 | 500 | 500 | 500 | 500 | 28 x 58 | 1380 | 500 | 500 |
| 200 | 2 x 58 | 2 x 58 | 2 x 58 | 2 x 58 | 15 x 58 | 15 x 58 | 2 x 58 | 2 x 58 |
| 200 | 1000 | 1000 | 1000 | 1000 | 28 x 58 | 1380 | 1000 | 1000 |
| 22 | 37 | 37 | 59 | 37 | 59 | 26 | 59 | 37 |
| 7 | 14 | 14 | 14 | 14 | 28 | 28 | 14 | 14 |
| 5 | 10 | 10 | 10 | 10 | 21 | 21 | 10 | 10 |
| 2 | 5 | 5 | 5 | 5 | 9 | 9 | 5 | 5 |
| 200 | 500 | 500 | 500 | 500 | 1) ¹⁾ | 1) ¹⁾ | 500 | 500 |
| 200 | 300 | 300 | 300 | 300 | 1) ¹⁾ | 1) ¹⁾ | 300 | 300 |
| 7 | 15 | 15 | 15 | 15 | 25 | 25 | 15 | 15 |
| 3 | 7 | 7 | 7 | 7 | 14 | 14 | 7 | 7 |
| 2 | 4 | 4 | 4 | 4 | 8 | 8 | 4 | 4 |