

S7



»» Features

- 1 C/O or 1NO contact arrangement
- 10A 250VAC
- Pinning 3.2 and 5mm
- UL/CUL, VDE approved
- Special for interface application, heating control, timers
- Comply with RoHS-Directive 2002/95/EC

»» Type List

| Terminal style | Contact form | Designation (provided with) |
|----------------|--------------|-----------------------------|
| | | Sealed type washable |
| PCB terminal | 1A (SPNO) | S7 100 A..W |
| | | S7 100 E..W |
| | 1C (SPDT) | S7 001 A..W |
| | | S7 001 E..W |

»» Ordering Information

S7 001 E 24 W
1 2 3 4 5

- | | | | |
|--------|---|------|--|
| 1. S7 | -- Basic series Designation | 4. | -- Coil voltage : 5=5V; 6=6V; 9=9V; 12=12V; 18=18V; 24=24V; 48=48V |
| 2. 100 | -- Single pole normaly open - 5,0mm pinning | 5. W | -- Sealed washable |
| 001 | -- Single pole double throw - 3,2mm pinning | | |
| 3. A | -- Contact material AgNi | | |
| E | -- Contact material AgSnO | | |

»» Contact Data

| | |
|----------------------------|--|
| Type of contact | Single contact |
| Configuration | 1 NO, 1CO |
| Rated load | 10A/250VAC ; 10A/30VDC |
| Maximum switching current | 10A |
| Maximum switching voltage | 300VDC / 440VAC |
| Maximum switching capacity | 300W / 2500VA |
| Contact resistance | 100mΩ |
| Contact material | AgNi ; AgSnO ; AgNi gold plated (on request) |



»» Coil rating (DC @+23°C)

| Rated voltage (V) | Rated current (mA) ±10% | Coil resistance (Ω) ±10% | Max. continuous voltage | Pick up voltage | Drop out voltage | Power consumption at rated voltage (mW) |
|-------------------|----------------------------|-----------------------------|-------------------------|-----------------------|-----------------------|---|
| 5 | 44.2 | 113 | See curve below | 70 % of rated voltage | 10 % of rated voltage | 220 |
| 6 | 36.6 | 164 | | | | 220 |
| 9 | 25 | 360 | | | | 230 |
| 12 | 19.3 | 620 | | | | 230 |
| 18 | 13.9 | 1295 | | | | 250 |
| 24 | 10.2 | 2350 | | | | 250 |
| 48 | 6.0 | 8000 | | | | 290 |

»» Specification

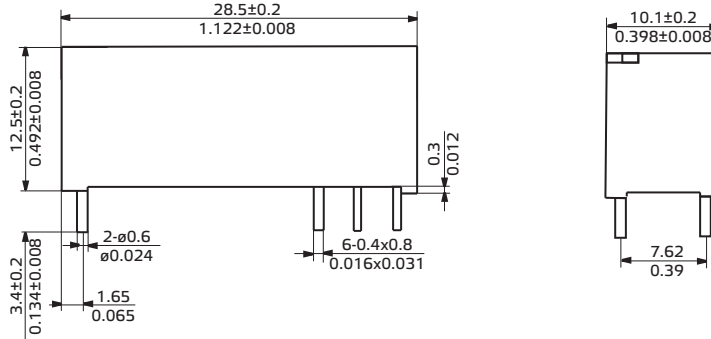
| | | |
|---|---------------------------|----------------------|
| Mechanical life | 10x10 ⁶ cycles | |
| Electrical life at rated load | 1x10 ⁵ cycles | |
| Operate Time | 10ms Max. | |
| Release Time | 5ms Max. | |
| Dielectric strength | Between coil and contacts | 5000V, 50/60Hz, 1min |
| | Between open contacts | 1000V, 50/60Hz, 1min |
| Clearance / creepage | Between coil and contacts | 5.5 / 8 mm |
| Vibration resistance (10..55Hz) double amplitude | Operation extremes NO/NC | 1.65mm / 0.8mm |
| | Shock resistance | 10 / 5 g |
| Shock resistance | Operation extremes NO/NC | 10 / 5 g |
| | Damage limits | 100 g |
| Operating ambient tempera- | -40~+85°C (no freezing) | |
| Approvals | VDE, UL/CUL | |
| Weight | 8g | |

»» Safety Approval

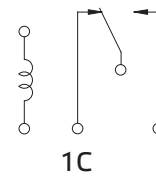
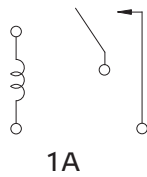
| Certified | UL / CUL | VDE |
|-----------|----------------------------|---|
| Ratings | 10A / 250VAC ; 10A / 30VDC | 1C/O: 8A / 250VAC 1NO: 10A / 250 VAC |

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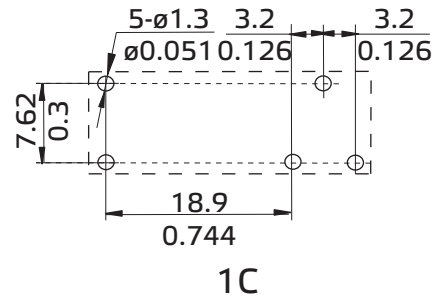
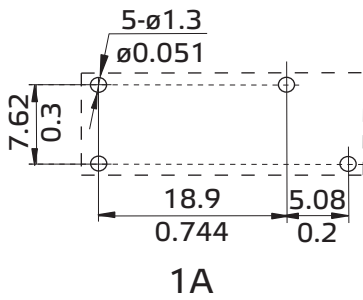
»» Outline Dimensions



»» Wiring Diagram Bottom View



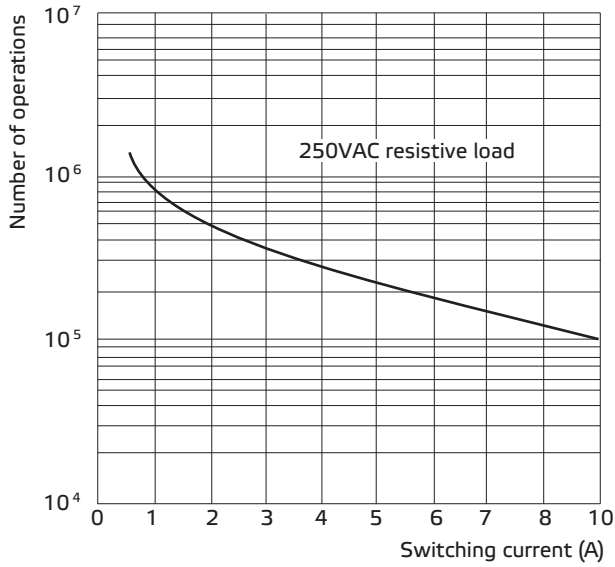
»» PC Board Layout Bottom View



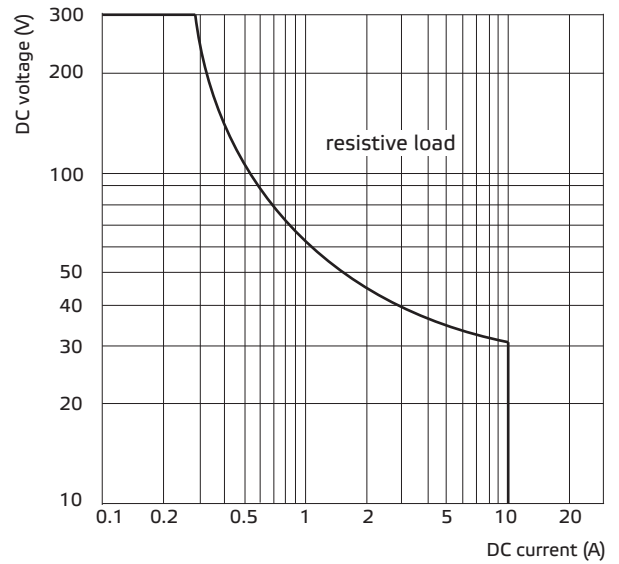


»» Engineering Data

Electrical endurance



Max. DC load breaking capacity



Coil operating range DC

