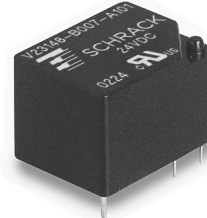


Power PCB Relay U/UB

- 1 pole 7A, mono or bistable
- 1 form C (CO) or 1 form A (NO) or 1 form B (NC) contact
- Bistable and DC version
- Wash tight version
- Version for 10A on request



Typical applications
Heating control, installation, battery powered equipment

F0153-C



Approvals

UL E214024
Technical data of approved types on request

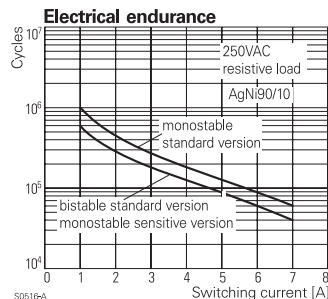
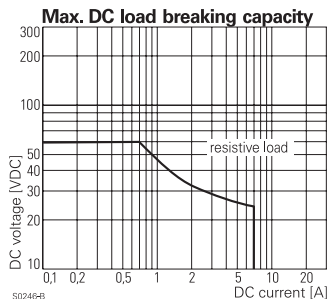
Contact Data

| | Standard | Bistable | Sensitive |
|--|------------|---|------------|
| Contact arrangement | | 1 form C (CO) or 1 form A (NO) or 1 form B (NC) | |
| Rated voltage | | 250VAC | |
| Max. switching voltage | | 400VAC | |
| Rated current | 7A | 7A | 5A |
| Limiting making current, max 4 s, duty factor 10% | 12A | 12A | 12A |
| Breaking capacity max. | 1750VA | 1750VA | 1250VA |
| Contact material | AgNi 90/10 | AgNi 90/10 | AgNi 90/10 |
| Frequency of operation, with/without load | | 600/18000h ⁻¹ | |
| Operate/release time typ. | 5/ 3 ms | - | 7/3 ms |
| Set/reset time typ. | - | 5/ 3 ms | - |
| Bounce time typ., form A/form B | 2/10ms | 2/10ms | 2/10ms |

Contact ratings

| Type | Contact | Load | Cycles |
|---------------|---------------------|-----------------------------------|--------|
| UL 508 | | | |
| U/UB | C/A/B (CO/NO/NC) | 7A, 250VAC, general purpose, 40°C | 6.000 |

Mechanical endurance, DC coil >20x10⁶ operations



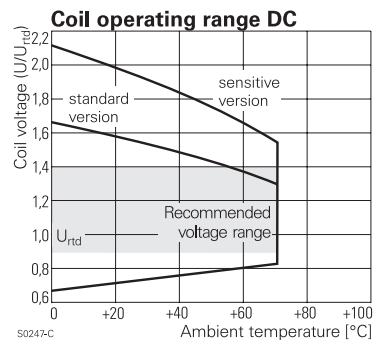
Coil Data

| | Standard | Bistable | Sensitive |
|--|-------------|---------------------|-------------|
| Coil voltage range | 6 to 48 VDC | 6 to 48 VDC | 6 to 48 VDC |
| Operative range IEC 61810 | 2 | 2 | 2 |
| Reset voltage min., % of rated coil voltage | - | 25% | - |
| Reset voltage max., % of rated coil voltage | - | 45% | - |
| Rated operate power | - | 900 to 1300 mW/20ms | - |

Coil versions, DC coil

| Coil code | Rated voltage VDC | Operate voltage VDC | Release voltage VDC | Coil resistance Ω±10% | Rated coil power mW |
|-----------------------|-------------------|---------------------|---------------------|-----------------------|---------------------|
| Standard coil | | | | | |
| 003 | 6 | 4.2 | 0.6 | 80 | 450 |
| 005 | 12 | 8.4 | 1.2 | 320 | 450 |
| 007 | 24 | 16.8 | 2.4 | 1280 | 450 |
| 008 | 48 | 33.6 | 4.8 | 3800 | 606 |
| Sensitive coil | | | | | |
| 103 | 6 | 4.4 | 0.6 | 110 | 327 |
| 105 | 12 | 8.8 | 1.2 | 440 | 327 |
| 107 | 24 | 17.5 | 2.4 | 1780 | 324 |
| 108 | 48 | 35.0 | 4.8 | 4000 | 576 |

All figures are given for coil without pre-energization, at ambient temperature +23°C.
Other coil voltages on request.



Coil versions, bistable 1 coil

| Coil code | Rated voltage VDC | Set voltage VDC | Reset voltage VDC | Coil resistance Ω±10% | Rated coil power mW |
|-----------|-------------------|-----------------|-------------------|-----------------------|---------------------|
| 003 | 6 | 4.7 | 1.5 | 33 | 1091 |
| 005 | 12 | 9.4 | 3.0 | 119 | 1210 |
| 007 | 24 | 18.7 | 6.0 | 475 | 1213 |
| 008 | 48 | 37.4 | 12.0 | 1750 | 1317 |

All figures are given for coil without pre-energization, at ambient temperature +23°C.
Other coil voltages on request.

