

Technical data

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|------------------------|------------|---|
| Nominal Voltage | U_N | 24 V |
| Operating Voltage | U_{OP} | 18 V...32 V |
| Voltage Drop | ΔU | ≤ 100 mV @ IN |
| Pull-In Voltage | U_I | ≤ 16 V @ TP |
| Pull-Off Voltage | U_O | ≥ 4 V @ TP |
| Test Voltage | U_P | 26 V \pm 0,2 V |
| Coil Current | I_C | ≤ 80 mA \pm 10 mA |
| Operate Time with Load | T_P | 100.000 times/TP IN 2"ON / 2"OFF |
| Nominal Current | I_N | 40 A N/C 50 A N/O |
| Max Continuous Current | I_{CM} | 23 °C 50 A 85 °C 35 A |
| Max Switching Current | I_{SCA} | ON 90 A N/C 200 A N/O OFF 40 A N/C 70 A N/O |
| Short Time Current | I_M | 85 A cont. N.C. 100 A cont. N.O. / 1 sec @ TP |
| Operating Temperature | T_{OP} | -40 °C...+85 °C |
| Storage Temperature | T_{STO} | +110 °C @ 2 h |
| Test Temperature | T_P | +20 °C \pm 2 °C |
| Unit Weight | W | 35 g |

Materials

| | |
|-----------------|--|
| Baseplate | Nylon PA 6,6 + 30 % Glass fibre Black |
| Cap | Nylon PA 6,6 + 15 % Glass fibre |
| Bobbin Wire | 24 V P155 IEC 60317 |
| Spring | Cu Be 17410 ½ HT |
| Terminals | Cu Zn Term. 86,85: (6,3x0,8mm) Term. 87a,87,30: (9,5x1,2mm) |
| Fixed Contact | Ag SnO2 |
| Moving Contacts | Ag SnO2 |
| Metal Bracket | CK 67 Hardness 490 \pm 525 HV1 |

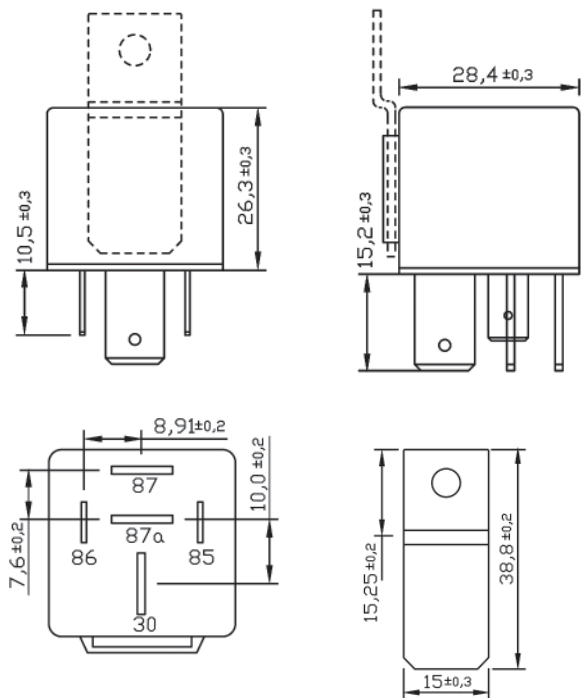
Approvals

| | |
|---------------------|--|
| In conformity with: | ISO 7588 – DIN 46244 – ISO 8092 UNI EN ISO 9001-2000 EU Dir. 2002/95/EC RoHS DIR. 95/54 CE REG. 10 ECE-ONU/02 DIN 40050: IP5K4 Terminals pointing downwards IMDS: 75948 |
|---------------------|--|



PR2x-4B5-0-50A
Change Over

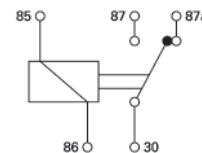
Dimensions



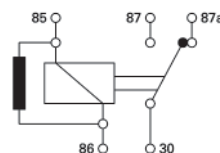
Bracket – cod. BS-03

Wiring diagram

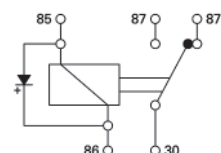
PR20-2B5-0-50A



PR2R-2B5-0-50A



PR2D-2B5-0-50A



Note: Recommended polarity:
86+ & 30+



Resistor Carbon Film
1500 Ω \pm 5%



Diode IN4007
1000 V 1 A