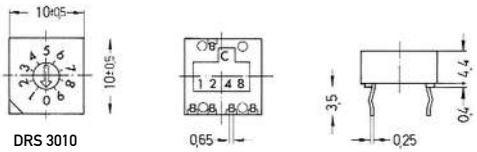
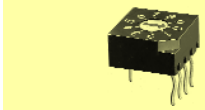
# Subminiature Rotary Coded Switches

**Specifications:**

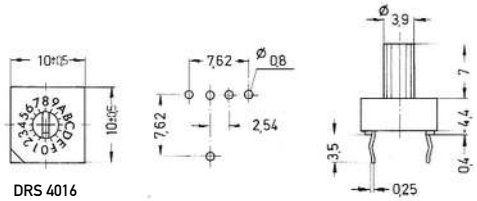
| | |
|---|---|
| Contact rating: | 50 V DC, 100 mA, non switching<br>15 V DC, 30 mA, switching |
| Contact resistance: | < 100 mΩ |
| Insulation resistance: | > 1000 MΩ at 250 V DC |
| Dielectric strength: | 250 V, 50 Hz for the duration of 1 minute |
| Operating temperature: | – 25° to + 75° C |
| Mechanical life: | minimum 20 000 operations |
| Contacts: | gold-plated |
| Terminals: | PC terminals, phosphor bronze, tin-plated |
| Case material: | PBT black, rotor: standard types yellow; inverse types red |
| Construction: | case totally sealed, suitable for washing by immersion |
| Mounting: | on pc-board |
| Soldering conditions: | auto-soldering – max.: 3 sec, 245° C ± 10° C |

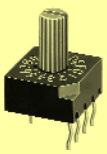
| **Models:** | Code |
|---|---|
| DRS 3010 | BCD |
| DRS 3110 | BCD Inverse |
| DRS 3016 | Hexadecimal |
| DRS 3116 | Hexadecimal Inverse |



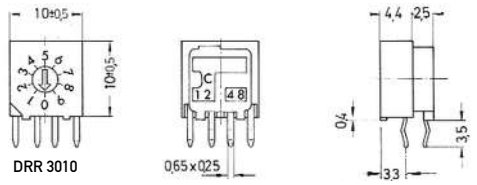



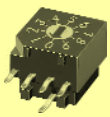
| | |
|---|---|
| DRS 4010 | BCD |
| DRS 4110 | BCD Inverse |
| DRS 4016 | Hexadecimal |
| DRS 4116 | Hexadecimal Inverse |



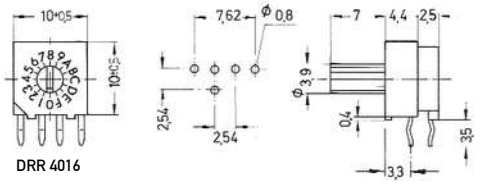



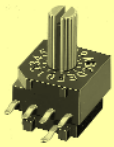
| | |
|---|---|
| DRR 3010 | BCD |
| DRR 3110 | BCD Inverse |
| DRR 3016 | Hexadecimal |
| DRR 3116 | Hexadecimal Inverse |



| | |
|---|---|
| DRR 4010 | BCD |
| DRR 4110 | BCD Inverse |
| DRR 4016 | Hexadecimal |
| DRR 4116 | Hexadecimal Inverse |

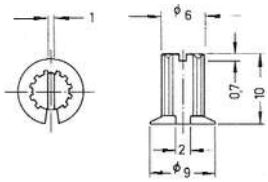


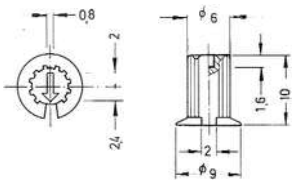



**Accessories:**

Caps*

| | |
|---|---|
| yellow | KR 108 |
| red | KR 109 |
| white | KR 110 |
| grey | KR 207 |





* further types on request

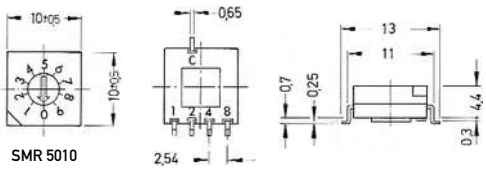
6

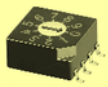
# Subminiature Rotary Coded Switches for SMT

**Specifications:**

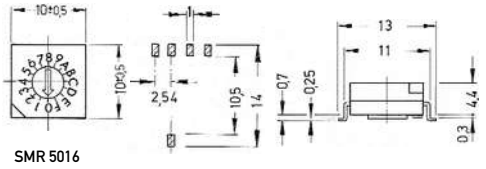
| | |
|---|---|
| Contact rating: | 50 V DC, 100 mA, non switching<br>15 V DC, 30 mA , switching |
| Contact resistance: | < 100 mΩ |
| Insulation resistance: | > 1000 MΩ at 250 V DC |
| Dielectric strength: | 250 V, 50 Hz for the duration of 1 minute |
| Operating temperature: | – 20° to + 80° C |
| Mechanical life: | minimum 20 000 operations |
| Contacts: | phosphor bronze, gold-plated |
| Terminals: | phosphor bronze, tin-plated |
| Case material: | PPS black, rotor: standard types yellow; inverse types red |
| Construction: | case totally sealed with protective tape |
| Mounting: | on pc-board – SMD |

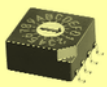
| **Models:** | Code |
|---|---|
| SMR 5010 | BCD |
| SMR 5110 | BCD Inverse |



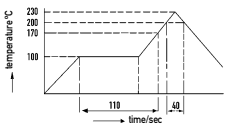



| | |
|---|---|
| SMR 5016 | Hexadecimal |
| SMR 5116 | Hexadecimal Inverse |



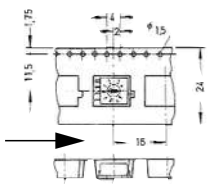



Soldering conditions: reflow-line – max.: 40 sec, 200° C
peak temperature: 230° C




Packaging: sticks or tapes
for order on tape: additional to type number: T
example of order: SMR 5010 T

| Stick | Tape | Reel |
|---|---|---|
| 50 pieces; L 530 mm | 500 pieces | ∅ 330 mm |




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