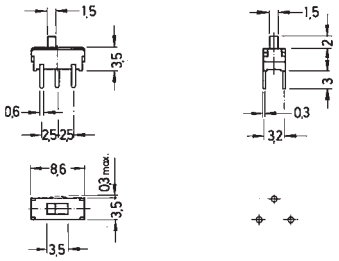
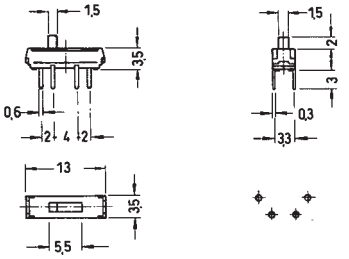
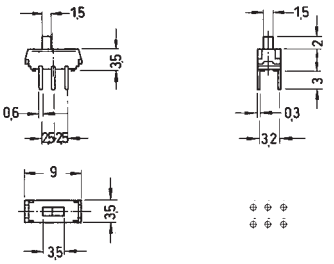
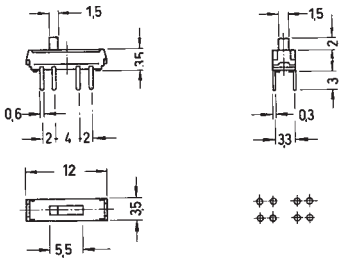
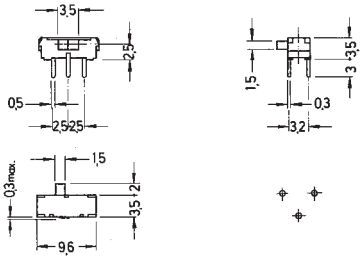
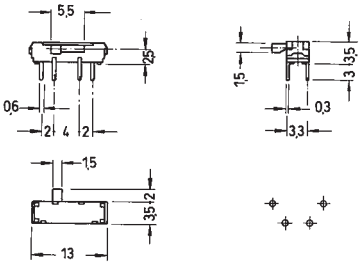
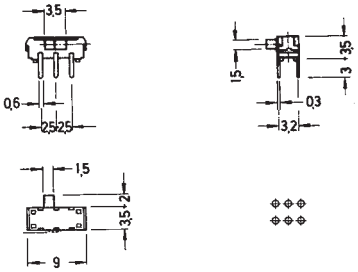
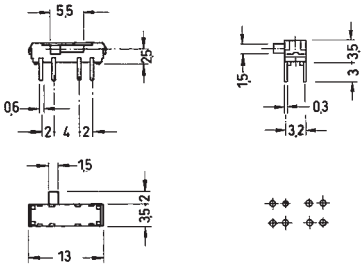
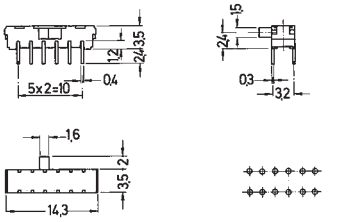
# Microminiature Slide Switches

**Specifications:**

| | |
|---|---|
| Contact rating: | 12 V DC, 200 mA |
| Contact resistance: | < 50 mΩ |
| Insulation resistance: | > 100 MΩ at 500 V DC |
| Dielectric strength: | 500 V, 50 Hz for the duration of 1 minute |
| Operating temperature: | – 10° to + 60° C |
| Mechanical life: | minimum 5000 operations |
| Contacts: | phosphor bronze, silver-plated |
| Terminals: | brass silver-plated |
| Contact timing: | non-shorting |
| Soldering conditions: | auto-soldering – max.: 3 sec ± 0,5 sec, 230° C ± 5° C |

| **Models:** | Switching functions | | | |
|---|---|---|---|---|
| MMP 121 | on on |  |  |  |
| MMP 131 | on on on |  |  |  |
| MMP 221 | on on |  |  |  |
| MMP 231 | on on on |  |  |  |

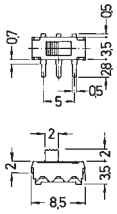
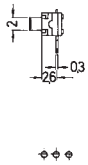
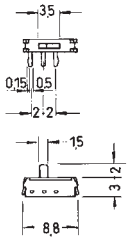
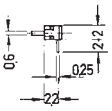
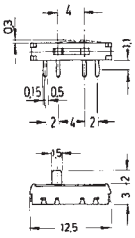
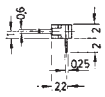
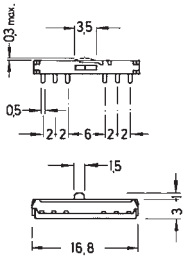
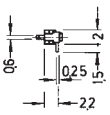
| **Models:** | Switching functions | | | | | |
|---|---|---|---|---|---|---|
| MMP 121 – R | on | on |  |  |  |  |
| MMP 131 – R | on | on | on |  |  |  |  |
| MMP 221 – R | on | on |  |  |  |  |
| MMP 231 – R | on | on | on |  |  |  |  |
| MMP 421 – R | on | on |  |  |  |  |

4

# Microminiature Slide Switches

**Specifications:**

| | |
|---|---|
| Contact rating: | 12 V DC, 200 mA |
| Contact resistance: | < 50 mΩ |
| Insulation resistance: | > 100 MΩ at 500 V DC |
| Dielectric strength: | 500 V, 50 Hz for the duration of 1 minute |
| Operating temperature: | – 10° to + 60° C |
| Mechanical life: | minimum 5000 operations |
| Contacts: | phosphor bronze, silver-plated |
| Terminals: | brass, silver-plated |
| Contact timing: | non-shorting |
| Slide colour: | white; MMP 122 – R: black |
| Soldering conditions: | auto-soldering – max.: 3 sec ± 0,5 sec, 230° C ± 5° C |

| **Models:** | Switching functions | | | | | |
|---|---|---|---|---|---|---|
| MMP 122 – R | on | on |  |  |  |  |
| MMP 124 – R | on | on |  |  |  |  |
| MMP 134 – R | on | on | on |  |  |  |
| MMP 224 – R | on | on |  |  |  |  |

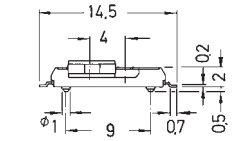
**Specifications:**

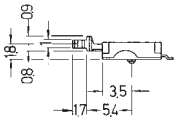
| | |
|---|---|
| Contact rating: | 12 V DC, 200 mA / 4 V DC, 300 mA |
| Contact resistance: | < 70 mΩ |
| Insulation resistance: | > 100 MΩ at 100 V DC |
| Dielectric strength: | 500 V, 50 Hz for the duration of 1 minute |
| Operating temperature: | – 10° to + 60° C |
| Mechanical life: | minimum 10 000 operations |
| Contacts: | phosphor bronze, gold-plated |
| Terminals: | brass, gold-plated |
| Contact timing: | non-shorting |

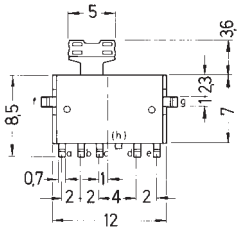
**Models:**

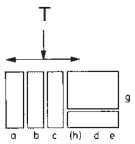
MMSP 132 on on on

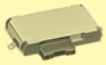
with pushbutton function



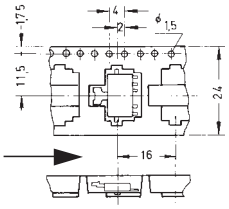



Packing: 1000 pcs/reel




Ø 330 mm

Soldering conditions: reflow-soldering – max.: 60 sec, 260° C ± 2° C

Minimum quantity 1 reel

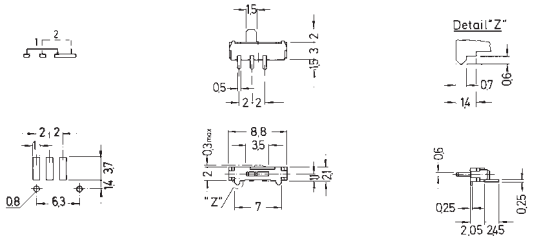
# Microminiature Slide Switches for SMT

**Specifications:**

| | |
|---|---|
| Contact rating: | 12 V DC, 200 mA |
| Contact resistance: | < 50 mΩ |
| Insulation resistance: | > 100 MΩ at 500 V DC |
| Dielectric strength: | 500 V, 50 Hz for the duration of 1 minute |
| Operating temperature: | – 10° to + 60° C |
| Storage temperature: | – 20° to + 70° C |
| Mechanical life: | minimum 5000 operations |
| Contacts: | phosphor bronze, silver-plated |
| Terminals: | brass, silver-plated |
| Contact timing: | non-shorting |
| Slide colour: | white |

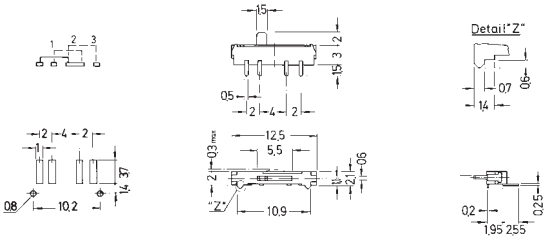
**Models:** Switching functions

MMS 124 on on



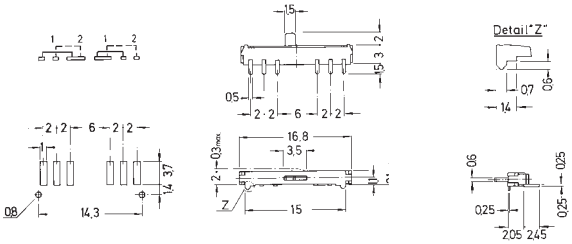



MMS 134 on on on



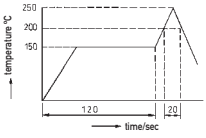



MMS 224 on on






Soldering conditions: reflow-soldering – max.: 20 sec, 200° C
peak temperature: 250° C



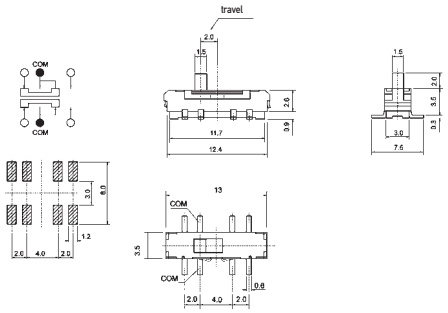

Packing: cardboard boxes, on tapes on request

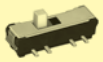
**Specifications:**

| | |
|---|---|
| Contact rating: | 12 V DC, 200 mA / 6 V DC, 300 mA |
| Contact resistance: | < 70 mΩ |
| Insulation resistance: | > 100 MΩ at 500 V DC |
| Dielectric strength: | 500 V, 50 Hz for the duration of 1 minute |
| Operating temperature: | – 10° to + 60° C |
| Mechanical life: | minimum 10 000 operations |
| Contacts/Terminals: | copper alloy, silver-plated |
| Contact timing: | non-shorting |
| Slide colour: | white |

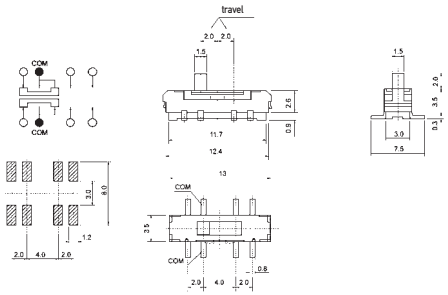
**Models:** Switching functions

MMS 228 T on on



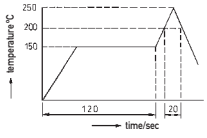



MMS 238 T on on on

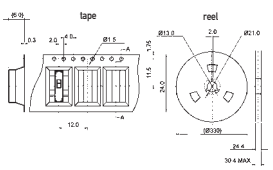





Soldering conditions: reflow-soldering – max.: 20 sec, 200° C
peak temperature: 250° C




Packing: on tapes, 900 pieces / tape



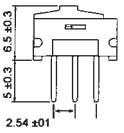
# Microminiature Slide Switches

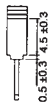
**Specifications:**

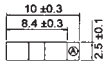
| | |
|---|---|
| Contact rating: | 0,2A, 24 V DC / 0,5A, 12 V DC |
| Contact resistance: | < 30 mΩ |
| Insulation resistance: | > 1000 MΩ at 500 V DC |
| Dielectric strength: | 500 V, 50 Hz for the duration of 1 minute |
| Operating temperature: | – 40° to + 85° C |
| Mechanical life: | minimum 10 000 operations |
| Contacts: | phosphor bronze, gold-plated |
| Terminals: | brass, gold-plated |
| Contact timing: | non-shorting |
| Slide colour: | white |
| Soldering conditions: | auto-soldering – max.: 3 sec ± 0,5 sec, 260° C ± 5° C |

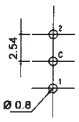
**Models:** Switching functions

MMP 1010 D on on



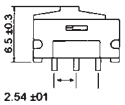



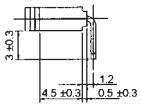



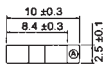



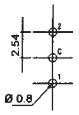



MMP 1010 D-RA on on



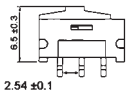



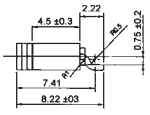



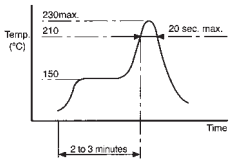


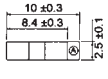

MMS 1010 D-R on on

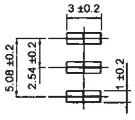



Soldering profile MMS 1010 D-R



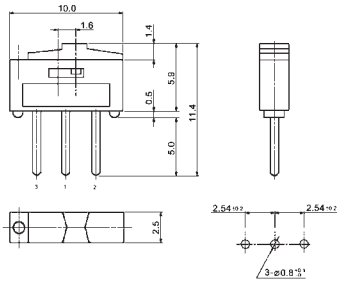
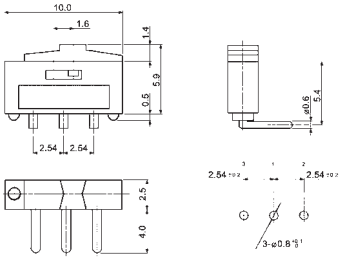






**Specifications:**

| | |
|---|---|
| Contact rating: | 24 V AC/DC, 0,3A / 12 V AC/DC, 0,5A |
| Contact resistance: | < 50 mΩ |
| Insulation resistance: | > 500 MΩ at 500 V DC |
| Dielectric strength: | 500 V for the duration of 1 minute |
| Operating temperature: | – 25° to + 80° C |
| Mechanical life: | minimum 10 000 operations |
| Contacts: | brass, gold-plated |
| Terminals | brass, gold-plated |
| Case: | PA |
| Soldering conditions: | auto-soldering – max.: 5 sec ± 0,5 sec, 270° C ± 5° C |

| **Models** | Switching functions | | | |
|---|---|---|---|---|
| MMP 1010 D – 1 | on | on |  |   |
| MMP 1010 D-RA – 1 | on | on |  |   |