

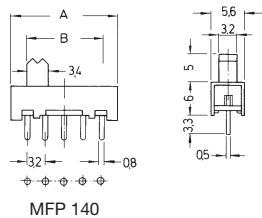
Miniature Slide Switches

Specifications:

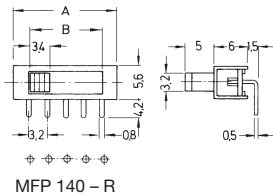
Contact rating:	30 V DC, 350 mA
Contact resistance:	< 20 mΩ
Insulation resistance:	> 100 MΩ at 500 V DC
Dielectric strength:	500 V, 50 Hz for the duration of 1 minute
Mechanical life:	minimum 10 000 operations
Contacts:	copper alloy, silver-plated over nickel barrier
Contact timing:	non-shorting
Slide colour:	black, further colours on request
Soldering conditions:	auto-soldering – max.: 3 sec, 230° C ± 5° C

Models:	Operating positions	Length (mm)	
		A	B

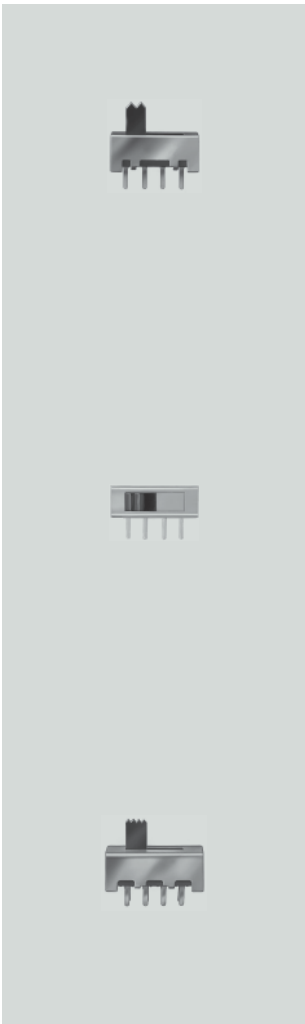
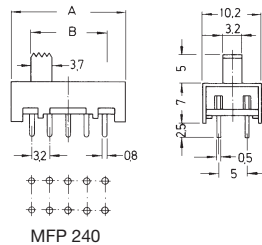
MFP 120	2	11,0	6,6
MFP 130	3	15,0	10,0
MFP 140	4	18,2	13,2
MFP 150	5	21,4	16,4



MFP 120 – R	2	11,0	6,6
MFP 130 – R	3	15,0	10,0
MFP 140 – R	4	18,2	13,2
MFP 150 – R	5	21,4	16,4



MFP 220	2	13,6	6,9
MFP 230	3	16,8	10,1
MFP 240	4	20,0	13,3
MFP 250	5	23,2	16,5
MFP 260	6	26,4	19,7



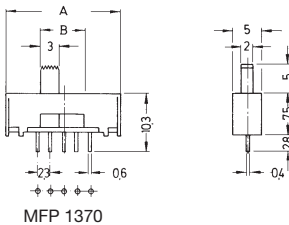
Miniature Slide Switches

Specifications:

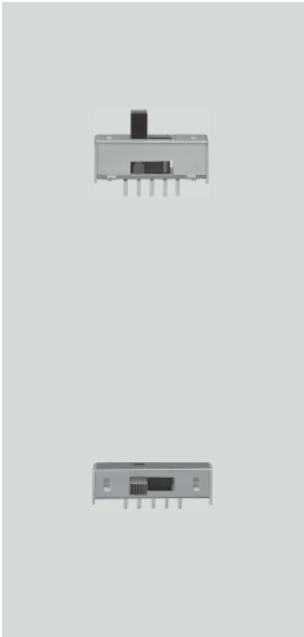
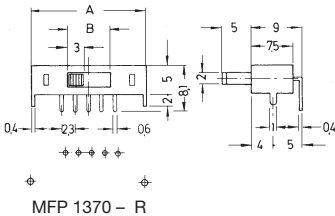
Contact rating:	30 V DC, 350 mA
Contact resistance:	< 25 mΩ
Insulation resistance:	> 100 MΩ at 500 V DC
Dielectric strength:	500 V, 50 Hz for the duration of 1 minute
Mechanical life:	minimum 10 000 operations
Contacts:	copper alloy, silver-plated over nickel barrier
Contact timing:	non-shorting
Slide colour:	black, further colours on request
Soldering conditions:	auto-soldering – max.: 3 sec, 230° C ± 5° C

Models:	Operating positions		Length (mm)	
			A	B

MFP 1370	3		20,0	7,6
MFP 1470	4		20,0	9,9
MFP 1570	5		22,0	12,2



MFP 1370 – R	3		20,0	7,6
MFP 1470 – R	4		20,0	9,9
MFP 1570 – R	5		22,0	12,2



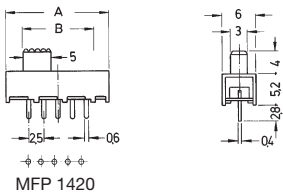
Miniature Slide Switches

Specifications:

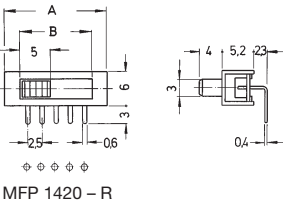
Contact rating:	30 V DC, 350 mA
Contact resistance:	< 20 mΩ
Insulation resistance:	> 100 MΩ at 500 V DC
Dielectric strength:	500 V, 50 Hz for the duration of 1 minute
Mechanical life:	minimum 10 000 operations
Contacts:	copper alloy, silver-plated over nickel barrier
Contact timing:	shorting / non-shorting
Slide colour:	black, further colours on request
Soldering conditions:	auto-soldering – max.: 3 sec, 230° C ± 5° C

Models:	Operating positions	Length (mm)	
		A	B

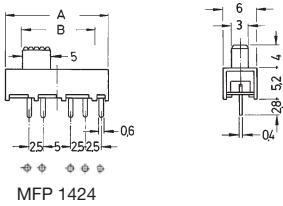
MFP 1220	2	13,0	7,5
MFP 1320	3	15,5	10,0
MFP 1420	4	18,0	12,5
MFP 1520	5	20,5	15,0
MFP 1620	6	23,0	17,5



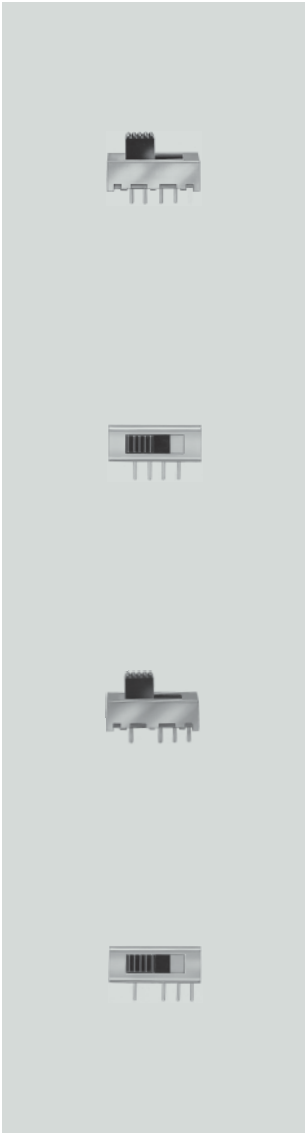
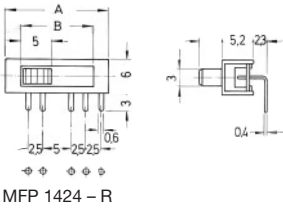
MFP 1220 – R	2	13,0	7,5
MFP 1320 – R	3	15,5	10,0
MFP 1420 – R	4	18,0	12,5
MFP 1520 – R	5	20,5	15,0
MFP 1620 – R	6	23,0	17,5



MFP 1323	3	15,5	10,0
MFP 1424	4	18,0	12,5



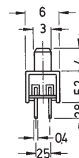
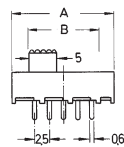
MFP 1323 – R	3	15,5	10,0
MFP 1424 – R	4	18,0	12,5



Miniature Slide Switches

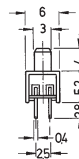
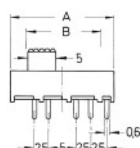
Models:	Operating positions	Length (mm)	
		A	B
Model 1	...	...	...
Model 2	...	...	...
Model 3	...	...	...
Model 4	...	...	...
Model 5	...	...	...
Model 6	...	...	...
Model 7	...	...	...
Model 8	...	...	...
Model 9	...	...	...
Model 10	...	...	...
Model 11	...	...	...
Model 12	...	...	...
Model 13	...	...	...
Model 14	...	...	...
Model 15	...	...	...
Model 16	...	...	...
Model 17	...	...	...
Model 18	...	...	...
Model 19	...	...	...
Model 20	...	...	...
Model 21	...	...	...
Model 22	...	...	...
Model 23	...	...	...
Model 24	...	...	...
Model 25	...	...	...
Model 26	...	...	...
Model 27	...	...	...
Model 28	...	...	...
Model 29	...	...	...
Model 30	...	...	...
Model 31	...	...	...
Model 32	...	...	...
Model 33	...	...	...
Model 34	...	...	...
Model 35	...	...	...
Model 36	...	...	...
Model 37	...	...	...
Model 38	...	...	...
Model 39	...	...	...
Model 40	...	...	...
Model 41	...	...	...
Model 42	...	...	...
Model 43	...	...	...
Model 44	...	...	...
Model 45	...	...	...
Model 46	...	...	...
Model 47	...	...	...
Model 48	...	...	...
Model 49	...	...	...
Model 50	...	...	...

MFP 2220	2		13,0	7,5
MFP 2320	3		15,5	10,0
MFP 2420	4	1 2 3 4 5 6 ♣♠♣♠♣♠♣♠	18,0	12,5
MFP 2520	5	♣♠♣♠♣♠♣♠♣♠	20,5	15,0
MFP 2620	6		23,0	17,5



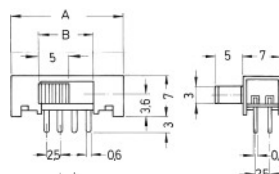
MFP 2420

MFP 2323	3		16,0	10,0
MFP 2424	4		18,0	12,5



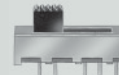
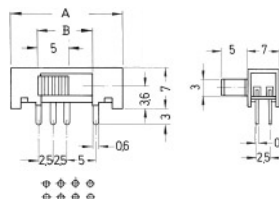
MFP 2424

MFP 2220 – R	2		17,0	6,5
MFP 2320 – R	3		19,5	9,0



MFP 2320 – R

MFP 2323 – R	3		19,5	9,0
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Miniature Slide Switches

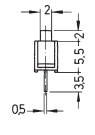
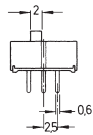
Specifications: see page 100

Material: plastic housing, terminals sealed

Models: Switching functions

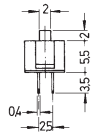
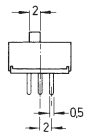
MFP 161 D

on on



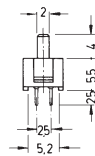
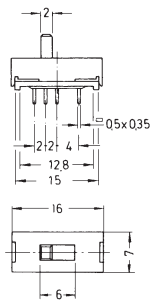
MFP 261 N

on on



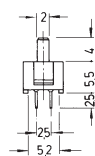
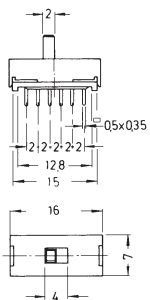
MFP 263 P

on on on



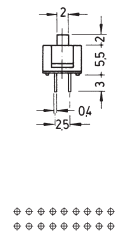
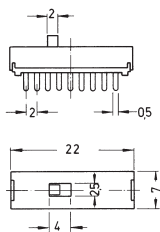
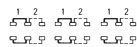
MFP 461 N
non-shorting

on on



MFP 661 N

on on

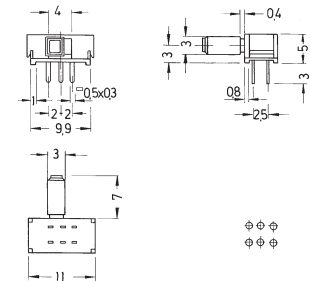


Miniature Slide Switches

Models: Switching
 functions

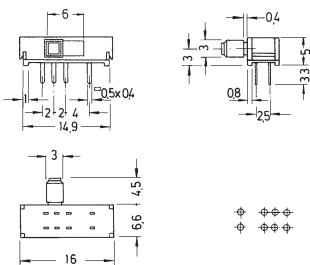
MFP 261 N – RA

on on



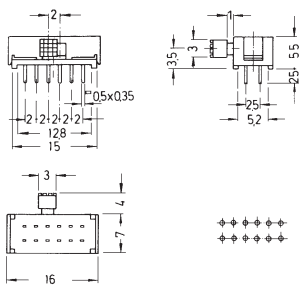
MFP 263 P – RA

on on on



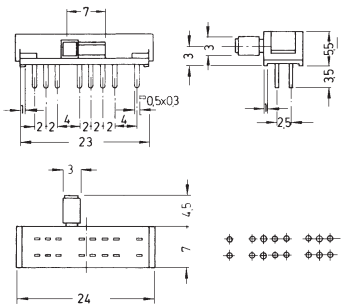
MFP 461 N – RA
non-shorting

on on



MFP 463 P – RA

on on on



Miniature Slide Switches

Specifications:

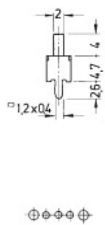
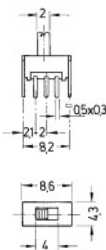
Contact rating:	12 V DC, 100 mA
Contact resistance:	< 20 mΩ
Insulation resistance:	> 100 MΩ at 500 V DC
Dielectric strength:	500 V, 50 Hz for the duration of 1 minute
Mechanical life:	minimum 10 000 operations
Contacts:	copper alloy, silver-plated over nickel barrier
Slide colour:	black, further colours on request
Soldering conditions:	auto-soldering – max.: 3 sec, 230° C ± 5° C

Models:

	Switching functions	
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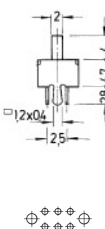
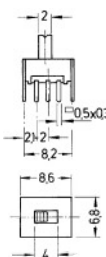
MFP 113 D
non-shorting

on on



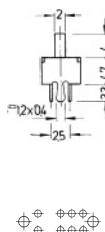
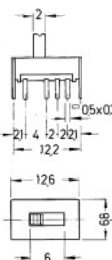
MFP 213 N
non-shorting

on on



MFP 213 P
shorting

on on on

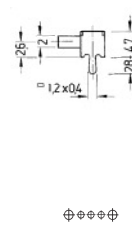
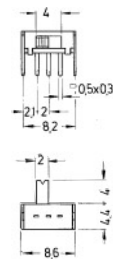


4

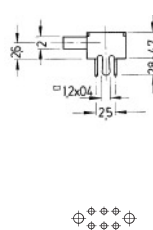
Contact rating:	12 V DC, 100 mA
Contact resistance:	< 20 mΩ
Insulation resistance:	> 100 MΩ at 500 V DC
Dielectric strength:	500 V, 50 Hz for the duration of 1 minute
Mechanical life:	minimum 10 000 operations
Contacts:	copper alloy, silver-plated over nickel barrier
Slide colour:	black, further colours on request
Soldering conditions:	auto-soldering – max.: 3 sec, 230° C ± 5° C

Models: Switching functions

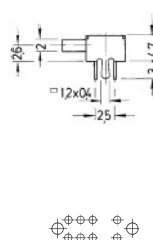
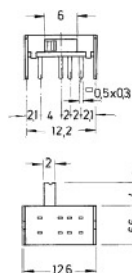
MFP 113 D – RA on on
non shorting



MFP 213 N – RA on on
non-shorting



MFP 213 P – RA on on on
shorting



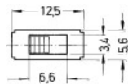
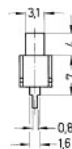
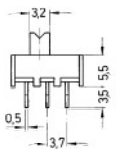
Miniature Slide Switches

Specifications:

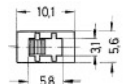
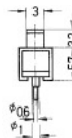
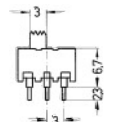
Contact rating:	30 V DC, 350 mA
Contact resistance:	< 20 mΩ
Insulation resistance:	> 100 MΩ at 500 V DC
Dielectric strength:	500 V, 50 Hz for the duration of 1 minute
Mechanical life:	minimum 10 000 operations
Contacts:	copper alloy, silver-plated over nickel barrier
Contact timing:	non-shorting
Slide colour:	black, further colours on request
Soldering conditions:	auto-soldering – max.: 3 sec, 230° C ± 5° C

Models: Switching functions

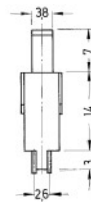
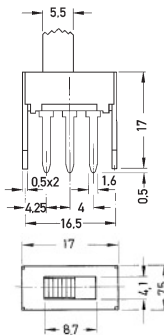
MFP 102 D on on



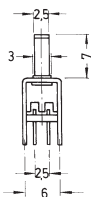
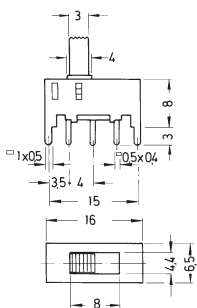
MFP 191 D on on



MFP 201 N on on



MFP 211 N on on

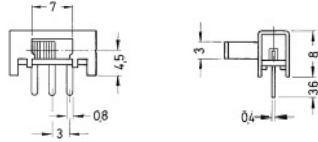
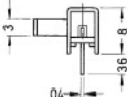
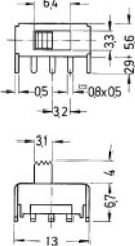
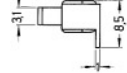
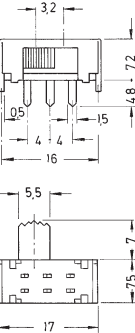
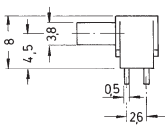
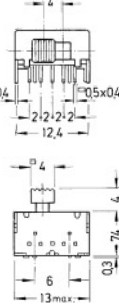
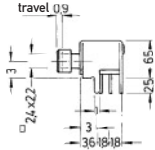


Miniature Slide Switches

Specifications:

Contact rating:	30 V DC, 350 mA
Contact resistance:	< 20 mΩ
Insulation resistance:	> 100 MΩ at 500 V DC; MFPP 130 – RA: 250 V DC
Dielectric strength:	500 V, 50 Hz for the duration of 1 minute
Mechanical life:	minimum 10 000 operations; MFPP 130 – RA > 100 000
Contacts:	copper alloy, silver-plated over nickel barrier
Slide colour:	black, further colours on request
Soldering conditions:	auto-soldering – max.: 3 sec, 230° C ± 5° C

Models:

	Switching functions				
MFP 101 D – RA non-shorting	on	on			
MFP 121 D – RA non-shorting	on	on			
MFP 201 N – RA non-shorting	on	on			
MFPP 130 – RA	on	on			

Miniature Slide Switches/ Pushbutton Switches



Miniature Slide Switches

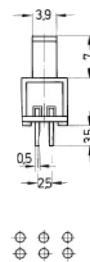
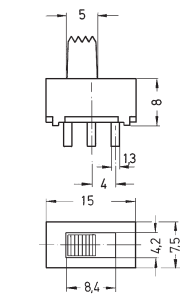
Specifications:

Contact rating:	30 V DC, 350 mA
Contact resistance:	< 20 mΩ
Insulation resistance:	> 100 MΩ at 500 V DC
Dielectric strength:	500 V, 50 Hz for the duration of 1 minute
Mechanical life:	minimum 10 000 operations
Contacts:	copper alloy, silver-plated over nickel barrier
Slide colour:	black, further colours on request
Soldering conditions:	auto-soldering – max.: 3 sec, 230° C ± 5° C

Models: Switching functions

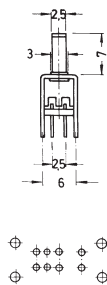
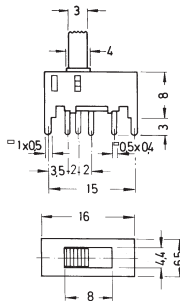
MFP 221 N
non-shorting

on on



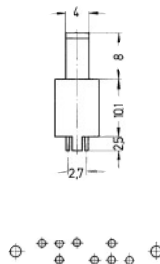
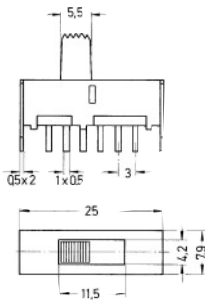
MFP 223 P
shorting

on on on



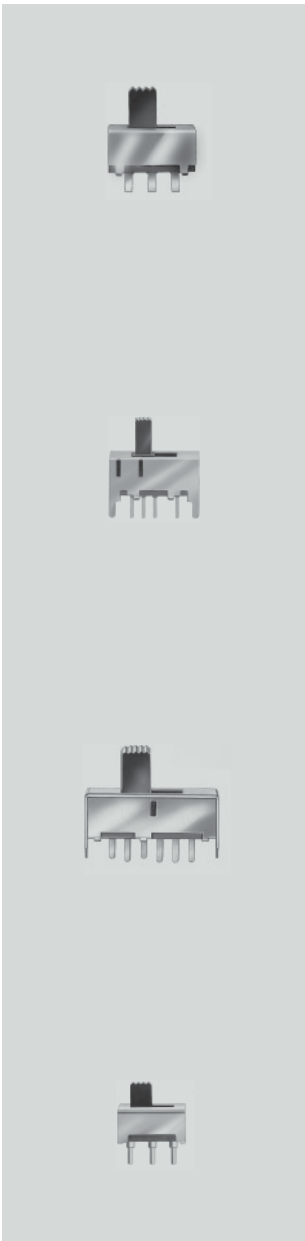
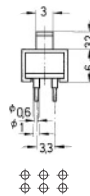
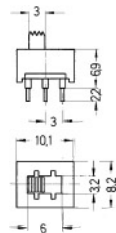
MFP 231 P
shorting

on on on



MFP 291 N
non-shorting

on on



Miniature Slide Switches

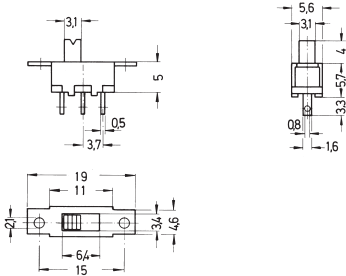
Specifications:

Contact rating:	30 V DC, 350 mA
Contact resistance:	< 20 mΩ
Insulation resistance:	> 100 MΩ at 500 V DC
Dielectric strength:	500 V, 50 Hz for the duration of 1 minute
Mechanical life:	minimum 10 000 operations
Contacts:	copper alloy, silver-plated over nickel barrier
Slide colour:	black, further colours on request
Soldering conditions:	hand-soldering – max.: 5 sec, 270° C

Models: Switching functions

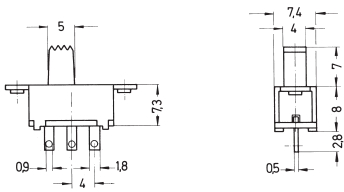
MFS 121 D
non-shorting

on on



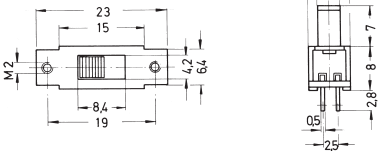
MFS 131 D
non-shorting

on on



MFS 201 N
non-shorting

on on



MFS 231 P
shorting

on on on

