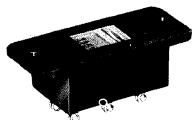


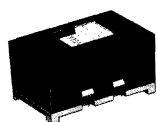
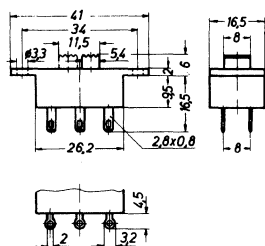
MARQUARDT

Slide Switch

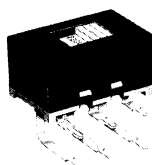
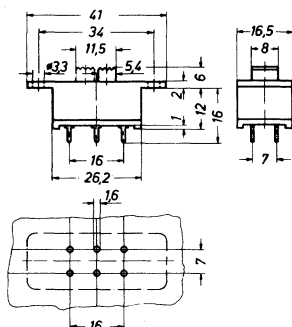
4021 SERIES LINE VOLTAGE SELECTOR SWITCHES



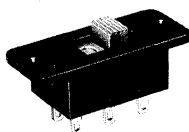
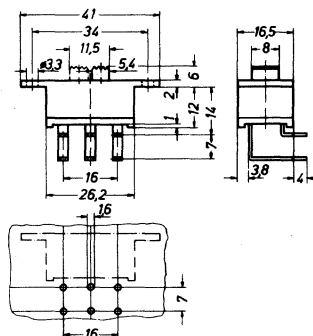
**DOUBLE POLE,
DOUBLE THROW
SOLDER TERMINALS
R48 5A 250VAC 10A 125VAC**



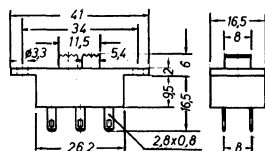
**DOUBLE POLE,
DOUBLE THROW
STRAIGHT PC TERMINALS**



**DOUBLE POLE,
DOUBLE THROW
RIGHT ANGLE
PC TERMINALS**



**DOUBLE POLE, DOUBLE
THROW, SLIDE BUTTON,
QUICK CONNECT TERMINALS
(Combination Solder or Plug-In)**



Circuit	Function	Terminals	Catalog Number
DPDT	ON-ON	Solder	4021.0214 (Black Slider, No Marking)
DPDT	ON-ON	Quick Connect	4021.0506 (No UL & CSA) (Red Slider - 220V-240V Marking)
DPDT	ON-ON	Quick Connect	4021.0512 (Red Slider - 230V-115V Marking)
DPDT	ON-ON	Quick Connect	4021.0513 (Red Slider - High-Low Marking)
DPDT	ON-ON	Quick Connect	4021.0521 (Black Slider - No Marking)
DPDT	ON-ON	Quick Connect	4021.0525 (Red Slider - No Marking)
DPDT	ON-ON	Quick Connect	4021.0526 (Red Slider - 115V-220V Marking) (100 Microinch Silver)
DPDT	ON-ON	Quick Connect	4021.0527 (Red Slider - 120V- 240V) (100 Microinch Silver)
DPDT	ON-ON	Quick Connect	4021.0530 (Red Slider - 115V-220V)
DPDT	ON-ON	Quick Connect	4021.0532 (Red Slider - 100V-250V)
DPDT	ON-ON	Quick Connect	4021.0820 (Red Slider Button - No Marking)
DPDT	ON-ON	Quick Connect	4021.0821 (Black Slider Button - No Marking)
DPDT	ON-ON	Quick Connect	4021.1912 (Red Slider - - No Marking) (No Mounting Ears)
DPDT	ON-ON	Quick Connect	4021.1913 (Black Slider - 115V -230V White Marking) (No Mounting Ears)
DPDT	ON-ON	Quick Connect	4021.1914 (Black Slider - High, Low White Marking) (No Mounting Ears)
DPDT	ON-ON	Right Angle P.C.	4021.4220 (Red Slider - 220V-115V Black Marking)
DPDT	ON-ON	Right Angle P.C.	4021.4221 (Red Slider - 115V-220V Black Marking)
DPDT	ON-ON	Straight P.C.	4021.4302 (No UL & CSA) (Red Slider - 240-220V Black Marking)
DPDT	ON-ON	Straight P.C.	4021.4321 (Red Slider - 230-115V Black Marking)
DPDT	ON-ON	Straight P.C.	4021.4322 (Black Slider - No Markings)
DPDT	ON-ON	Straight P.C.	4021.4420 (Black Slider Button - No Marking) (No Mounting Ears)
DPDT	ON-ON	Straight P.C.	4021.4620 (Red Slider - 230-115V Black Marking) (No Mounting Ears)
DPDT	ON-ON	Straight P.C.	4021.4621 (Black Slider - No Marking) (No Mounting Ears)
DPDT	ON-ON	Right Angle P.C. RH	4021.4711 (Red Slider - 230-115V - Black Markings) (No Mounting Ears)
DPDT	ON-ON	Right Angle P.C.	4021.4720 (Red Slider - 220V-115V - Black Marking) (No Mounting Ears)
DPDT	ON-ON	Right Angle P.C.	4021.4721 (Red Slider - 115V-230V - Black Marking) (No Mounting Ears)
DPDT	ON-ON	Right Angle P.C.	4021.4722 (Red Slider - No Markings) (No Mounting Ears)
DPDT	ON-ON	Right Angle P.C. LH	4021.4723 (Red Slider - 230-115V) (No Mounting Ears)
DPDT	ON-ON	Right Angle P.C.	4021.4725 (Red Slider 0, — Black Marking) (No Mounting Ears)
DPDT	ON-ON	Left Side P.C.	4021.4920 (Red Slider - 230-115V - Black Marking) (No Mounting Ears)
SPDT	ON-ON	Left Side P.C.	4021.5920 (Red Slider 0, — Black Marking) (No Mounting Ears)

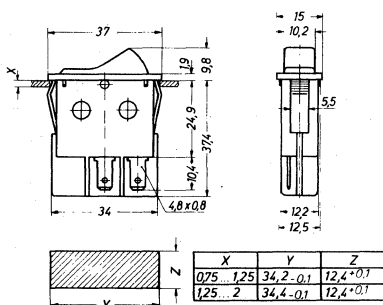
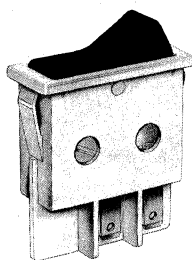
Technical Data: Double pole, double throw with sliding contact.
Resistance to Tracking: \square < KB 175 \square > KB 250 \square < KB 175
Life Endurance: Mechanical 10,000 Cycles; Electrical 10,000 Cycles. Screw
fixing, mounting holes ϕ 3.3 mm

Materials: Slide made of thermoplastic; housing made of black
thermoplastic; ground plate made of nature thermoplastic; glass
fiber reinforced, contacts CuSn/Cu silver-plated; terminals silver-
plated

MARQUARDT

Rocker Switch

1540 SERIES

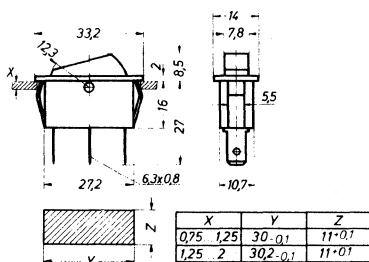
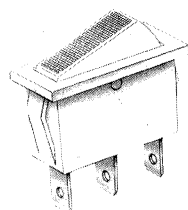


DOUBLE POLE R70 16A 125V-250V AC 1/4HP 125VAC 1/2HP 250VAC R72 16A 250VAC 1/2HP

Circuit	Function	Terminals	Catalog Number
DPST	ON-OFF	6.3 (.250)	1542.1121 R70 (Black Rocker & Base - White Markings — ON, 0-OFF)
DPST	ON-OFF	6.3 (.250)	1542.1123 R70 (Black Base & Rocker - White Markings I, 0)
DPST	ON-OFF	6.3 (.250)	1545.1120 R72 (White Base - Lighted Red Rocker - 220V Bulb)
DPST	ON-OFF	6.3 (.250)	1545.1122 R72 (Black Base - Lighted Red Rocker - 110V Bulb)

Mechanical — 50,000 Operations
Electrical — 10,000 Cycles

1600 SERIES



SINGLE POLE ILLUMINATED R19 16A 125V AC 1/8HP

Resistance to Tracking: > KB250

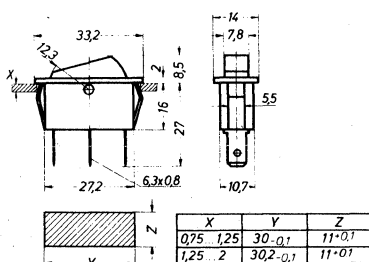
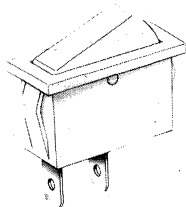
Life Endurance: Mechanical—100,000 operation; Electrical—10,000 cycles

Snap in Fixing: for a wall thickness (X) of 0.75 . . 2mm recommended cut-out (Y x Z) see table under dimensions

Materials: Rocker and housing made of thermoplastic, contacts made of Ag, terminals silver-plated

Circuit	Function	Terminals	Catalog Number
SPST	ON-OFF	6.3 (.250)	1600.0120 R19 (Black Base - Red Rocker - 110V Bulb)
SPST	ON-OFF	6.3 (.250)	1600.0121 R19 (White Base - Red Rocker - 110V Bulb)
SPST	ON-OFF	6.3 (.250)	1600.0105 R19 (Black Base - Red Rocker - 220V Bulb)
SPST	ON-OFF	6.3 (.250)	1600.0126 R19 2-3.5mm Panel (Black Base - Red Rocker - 110V Bulb - Frame Alum)
SPST	ON-OFF	6.3 (.250)	1600.0127 R19 (Brown Base - Red Rocker - 110V Bulb)
SPST	ON-OFF	6.3 (.250)	1600.0128 R19 (Black Base - Green Rocker - 110V Bulb)
SPST	ON-OFF	6.3 (.250)	1600.0420 R19 (Black Base - Red Rocker - 110V Bulb - Frame Alum)
SPST	ON-OFF	6.3 (.250)	1600.0421 R19 (Black Base - Green Rocker - 110V Bulb - Frame Alum)
SPST	ON-OFF	Solder	1600.3108 R19 (White Base - Green Rocker - 110V Bulb)

1601 SERIES



SINGLE POLE NON-ILLUMINATED R62 10A 250VAC 1/3HP 16A 125VAC 1/8HP

Resistance to Tracking: > KB250

Life Endurance: Mechanical—100,000 operation; Electrical—10,000 cycles

Snap in Fixing: for a wall thickness (X) of 0.75 . . 2mm recommended cut-out (Y x Z) see table under dimensions

Materials: Rocker and housing made of thermoplastic, contacts made of Ag, terminals, silver-plated

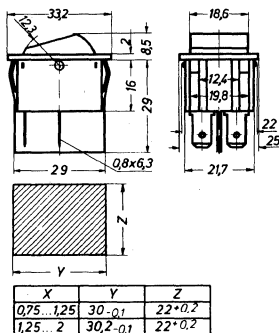
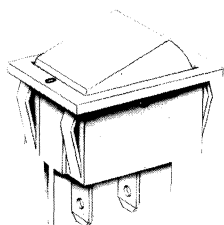
Contact Resistance < 10 milliohms — Dielectric Resistance > 5 megohms

Circuit	Function	Terminals	Catalog Number
SPST	ON-OFF	6.3 (.250)	1601.0117 R62 (Black Base & Rockers, Markings - White OFF-ON, Horizontal Mtg.)
SPST	ON-OFF	6.3 (.250)	1601.0118 R62 (White Base & Rockers, Markings - Black OFF-ON, Horizontal Mtg.)
SPST	ON-OFF	6.3 (.250)	1601.0101 R62 (White Base & Rocker)
SPST	ON-OFF	6.3 (.250)	1601.0105 R62 (Black Base & Rocker)
SPST	ON-OFF	6.3 (.250)	1601.0122 R62 (Black Base & Rocker, 3.5mm Panel)
SPST	ON-OFF	6.3 (.250)	1601.0123 R62 (Black Base & Rocker, White Marking 0 on Bezel)
SPST	ON-OFF	6.3 (.250)	1601.0124 R62 (White Base & Rocker - Black I, 0)
SPST	ON-OFF	6.3 (.250)	1601.0125 R62 (Black Base & Rocker, Marking White OFF-ON, Vertical Mtg.)

MARQUARDT

Rocker Switch

1602 SERIES



NON-ILLUMINATED DOUBLE POLE

R46 16A 125V AC 10A 250V AC

R62 16A 125V AC 1/8HP

10A 250V AC 1/3 HP

Technical Data:

Resistance to Tracking: > KB250

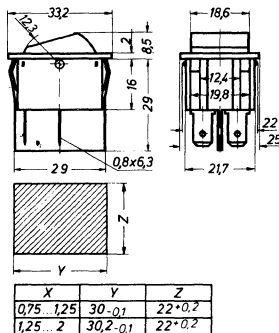
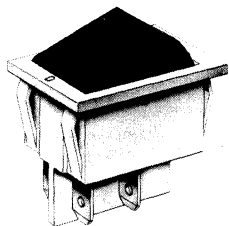
Life Endurance: Mechanical—100,000 operation; Electrical—10,000 cycles

Snap in Fixing: for a wall thickness (X) of 0.75...2mm recommended cut-out (Y x Z) see table under dimensions

Materials: Rocker and housing made of thermoplastic, contacts made of Ag, terminals silver-plated

Circuit	Function	Terminals	Catalog Number
DPST	ON-OFF	6.3 (.250)	1602.0114 R46 (White Base & Rocker - Marking Black 0, I)
DPST	ON-OFF	6.3 (.250)	1602.0101 R62 (White Base & Rocker - Marking - Red - 0 on Bezel)
DPST	ON-OFF	6.3 (.250)	1602.0105 R62 (Black Base & Rocker - Marking Red - 0 on Bezel)
DPST	ON-OFF	6.3 (.250)	1602.0119 R62 (Black Base & Rocker - Marking White - 0, I)
DPST	ON-OFF	6.3 (.250)	1602.0126 R62 (Black Base & Rocker - Marking - White OFF-0 ON-1)
DPST	ON-OFF	6.3 (.250)	1602.0127 R62 (Black Base, Red Rocker - Marking - Red 0 on Bezel)
DPST	ON-OFF	6.3 (.250)	1602.4120 R62 (White Base & Rocker - Side Guards on Rocker - Marking Red 0 on Bezel)
DPDT	ON-ON	6.3 (.250)	1604.0101 R62 (White Base & Rocker)

1605 SERIES



ILLUMINATED DOUBLE POLE

R19 16A 125V AC 1/8 HP

R61 10A 250V AC 1/3HP

Technical Data:

Resistance to Tracking: > KB250

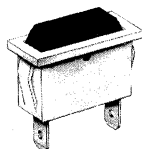
Life Endurance: Mechanical—100,000 operation; Electrical—10,000 cycles

Snap in Fixing: for a wall thickness (X) of 0.75...2mm recommended cut-out (Y x Z) see table under dimensions

Materials: Rocker and housing made of thermoplastic, illuminated rockers and windows of lights made of transparent thermoplastic, contacts made of Ag, terminals silver-plated

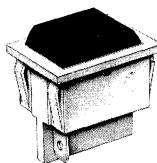
Circuit	Function	Terminals	Catalog Number
DPST	ON-OFF	6.3 (.250)	1605.0120 R19 (Black Base, Red Lens, 110V Bulb Marking Red 0 on Bezel)
DPST	ON-OFF	6.3 (.250)	1605.0105 R61 (Black Base, Red Lens, 220V Bulb Marking Red 0 on Bezel)
DPST	ON-OFF	6.3 (.250)	1605.0122 R19 (White Base, Red Lens, 110V Bulb Marking Red 0 on Bezel)
DPST	ON-OFF	6.3 (.250)	1605.0123 R19 (White Base, Green Lens, 110V Bulb Marking Red 0 on Bezel)
DPST	ON-OFF	6.3 (.250)	1605.0124 R19 Black Base, Green Lens, 110V Bulb Marking Red 0 on Bezel)
DPST	ON-OFF	6.3 (.250)	1605.0112 R61 (Black Base, Green Lens, 220V Bulb Marking Red 0 on Bezel)
DPST	ON-OFF	6.3 (.250)	1605.0127 R61 (Black Base, Orange Lens, 220V Bulb, Marking Red 0 on Bezel)
DPST	ON-OFF	6.3 (.250)	1605.0128 R61 (White Base, Green Lens, 220V Bulb Marking Black 0-1 on Bezel)
DPST	ON-OFF	6.3 (.250)	1605.0427 R61 (White Base, Red Lens, 220V Bulb Marking Black 0, I)

1607 SERIES Pilot Light



6.3 (.250) 1607.0420
(White Base, Red Lens, 110V Bulb)

6.3 (.250) 1607.0520
(Black Base, Orange Lens, 110V Bulb)



6.3 (.250) 1607.5101
(White Base, Red Lens, 220V Bulb)

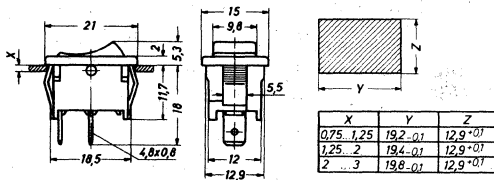
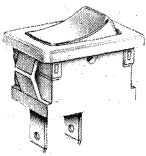
6.3 (.250) 1607.5110
(White Base, White Lens, 220V Bulb)

Not UL or CSA Approved
(Approval Pending)

MARQUARDT

Rocker Switch

1800 SERIES



Technical Data:

Resistance to tracking $\square > \text{KB250} \square > \text{KB 175}$

Life endurance, mechanical:

ST, DT — 100,000 operations

DT with off-position — 50,000 operations

Life endurance, electrical:

ST, DT 6(4)A — 50,000 cycles

ST, DT 10(4)A — 10,000 cycles

Snap in fixing:

for a wall thickness (X) of 0,75...3 mm recommended cut-out (Y x Z) see table under dimensions

Materials

Rocker and housing made of thermoplastic

Contacts Ag/Cu silver-plated

Terminals silver-plated

SINGLE POLE

R30 6A 125V-250V AC 1/4 HP 125 - 1/2 HP 250V AC
R50 10A 125V-250V AC 1/3 HP 125V - 1/2 HP 250V AC
R52 6A 125V - 4A 250V AC 1/10 HP 125V-250V AC

R58 6A 125V-250V AC 1/8 HP
R73 10A 125V AC - 1/3 HP
R87 6A 250V AC - 1/2 HP

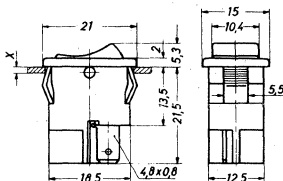
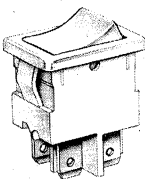
Circuit Function Terminal Catalog Number

SPST ON-OFF	4.8(.187)	1800.1121 R73 (Black Base, Red Lighted Rocker, 125V Bulb)
SPST ON-OFF	Solder	1801.0102 R30 (Black Base & Rocker)
SPST ON-OFF	Solder	1801.0101 R30 (White Base & Rocker)
SPST ON-OFF	Solder	1801.0121 R50 (Black Base & Rocker)
SPST ON-OFF	Solder	1801.0105 R30 (Black Base, Red Rocker)
SPST ON-OFF	Solder	1801.0123 R30 (Brown Base & Rocker)
SPST ON-OFF	Solder	1801.0124 R30 (Black Base & Rocker, Marking, Red —)
SPST ON-OFF	Solder	1801.0130 R30 (Black Base, Orange Rocker, Marking, Black 0, I)
SPST ON-OFF	Solder	1801.0134 R50 (Brown Base & Rocker)
SPST ON-OFF	Solder	1801.0136 R50 (Black Base & Rocker White Marking 0, —)
SPST ON-OFF	Solder	1801.0138 R30 (Black Base & Rocker, Marking, White - 0)
SPST ON-OFF	Solder	1801.0149 R30 (Black Base & Rocker, Marking, Red 0, —)
SPST ON-OFF	4.8(.187)	1801.1102 R30 (Black Rocker & Base)
SPST ON-OFF	4.8(.187)	1801.1110 R30 (Brown Rocker & Base)
SPST ON-OFF	4.8(.187)	1801.1121 R50 (Black Rocker & Base)
SPST ON-OFF	4.8(.187)	1801.1124 R50 (Brown Rocker & Base, Red Bar on Rocker)
SPST ON-OFF	4.8(.187)	1801.1139 R30 (Black Rocker & Base, White Marking 0, —)
SPST ON-OFF	4.8(.187)	1801.1142 R30 (White Rocker & Base, Black Bar on Rocker)
SPST ON-OFF	4.8(.187)	1801.1143 R30 (Black Rocker & Base, White Bar on Rocker)
SPST ON-OFF	4.8(.187)	1801.1132 R30 (Black Base, Red Rocker)
SPST ON-OFF	4.8(.187)	1801.1147 R50 (Brown Base & Rocker)
SPST ON-OFF	4.8(.187)	1801.1148 R50 (Black Base & Rocker, White Marking 0, —)
SPNO ON-OFF Momentary	4.8(.187)	1801.1210 R52 (Brown Base & Rocker)
SPNO ON-OFF Momentary	4.8(.187)	1801.1202 R52 (Black Base & Rocker)
SPNO ON-OFF Momentary	4.8(.187)	1801.1222 R52 (Black Base, White Rocker)
SPST ON-OFF P.C.	1801.2152	(Black Base & Rocker, 30mA, 12VDC)
SPNC ON-OFF Momentary P.C.	1801.2322 R52	(Brown Base & Rocker)

Circuit Function Terminal Catalog Number

SPDT ON-ON	Solder	1803.0107 R50 (Brown Base & Rocker)
SPDT ON-ON	Solder	1803.0120 R50 (White Base & Rocker)
SPDT ON-ON	Solder	1803.0121 R50 (Black Base & Rocker)
SPDT ON-ON	4.8(.187)	1803.1101 R30 (White Base & Rocker)
SPDT ON-ON	4.8(.187)	1803.1121 R50 (Black Base & Rocker)
SPDT ON-ON	4.8(.187)	1803.1122 R50 (Brown Base & Rocker)
SPDT ON-ON Momentary	4.8(.187)	1803.1202 R52 (Black Base & Rocker)
SPDT ON-ON Momentary	4.8(.187)	1803.1222 R52 (Brown Base & Rocker)
SPDT ON-OFF-ON	Solder	1808.0102 R58 (Black Base & Rocker)
SPDT ON-OFF-ON	Solder	1808.0124 R58 (Brown Base & Rocker)
SPDT Mom ON -OFF-ON	Solder	1808.0201 R58 (White Base & Rocker)
SPDT Mom ON -OFF-	Solder	1808.0301 R58 (White Base & Rocker)
SPDT Mom ON -OFF-	Solder	1808.0302 R58 (Black Base & Rocker)
SPDT Mom ON -OFF-	Solder	1808.0323 R58 (Black Base & White Rocker)
SPDT Mom ON -OFF-	Solder	1808.0324 R58 (Black Base & Red Rocker)
SPDT ON-OFF-ON	4.8(.187)	1808.1102 R58 (Black Base & Rocker)
SPDT ON-OFF-ON	4.8(.187)	1808.1123 R58 (Brown Base & Rocker)
SPDT Mom ON -OFF-ON	4.8(.187)	1808.1204 R58 (Brown Base & Rocker)
SPDT Mom ON -OFF-	4.8(.187)	1808.1302 R58 (Black Base & Rocker)
SPDT Mom ON -OFF-	4.8(.187)	1808.1322 R58 (Brown Base & Rocker)

1852 SERIES



NON-ILLUMINATED R52 6A 125V 4A 250V AC
1/10 HP 125V-250V AC
MAX. INRUSH - 51A 125V AC

Technical Data:

Single pole or double pole ST

Lifting contact

Resistance to tracking > KB 250

Life endurance:

Mechanical - 50,000 operations

Electrical - 10,000 cycles

Snap in fixing:

for a wall thickness (X) of 0,75...3 mm recommended cut-out (Y x Z) see table under dimensions

X	Y	Z
0,75 1,25	19,2 .01	12,9 .01
1,25 2	19,4 .01	12,9 .01
2 3	19,8 .01	12,9 .01

Materials

Rocker and housing made of thermoplastic

Contacts made of Ag

Terminals silver-plated

Additional Models

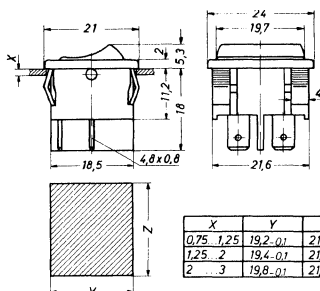
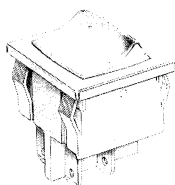
Rocker, window and housing in other colors

Rocker with different symbols

MARQUARDT

Rocker Switch

1802 SERIES



DOUBLE POLE

R30 6A 125V-250V AC

1/4 HP 125 - 1/2 HP 250V AC

R50 10A 125V-250V AC 1/3 HP 125V - 1/2 HP 250V AC

R52 6A 125V - 4A 250V AC 1/10 HP 125V-250V AC

R55 6A 125V AC 1/4 HP

R58 6A 125V-250V AC 1/8 HP

R73 10A 125V 1/3 HP

R87 6A 250V AC 1/2 HP

Technical Data:

Resistance to tracking  > KB250  > KB 175

Life endurance, mechanical:

ST, DT — 100,000 operations

DT with off-position — 50,000 operations

Life endurance, electrical:

ST, DT 6(4)A — 50,000 cycles

ST, DT 10(4)A — 10,000 cycles

Snap in fixing:

for a wall thickness (X) of 0,75...3 mm recommended cut-out (Y x Z) see table under dimensions

Materials

Rocker and housing made of white or black thermoplastic

Window made of red transparent thermoplastic

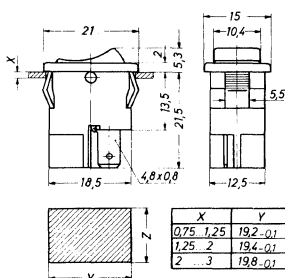
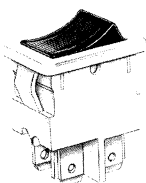
Contacts Ag/Cu silver-plated

Terminals silver-plated

Circuit Function	Terminal Catalog Number
DPST ON-OFF Solder	1802.0121 R50 (Black Base & Rocker, Red 0 on Rocker)
DPST ON-OFF Solder	1802.0122 R50 (White Base & Rocker, Black Markings 0, I)
DPST ON-OFF 4.8(.187)	1802.1112 R50 (Brown Base, Red Rocker, White Markings 0, I)
DPST ON-OFF 4.8(.187)	1802.1113 R50 (Black Base, Red Rocker, White Markings 0, I)
DPST ON-OFF 4.8(.187)	1802.1120 R50 (White Base & Rocker, Red 0 on Rocker)
DPST ON-OFF 4.8(.187)	1802.1121 R50 (Black Base & Rocker, Red 0 on Rocker)
DPST ON-OFF 4.8(.187)	1802.1122 R50 (Black Base, White Rocker) Red 0 on Rocker)
DPST ON-OFF 4.8(.187)	1802.1123 R50 (Black Base & Rocker, White Markings 0, I)
DPST ON-OFF 4.8(.187)	1802.1124 R50 (Brown Base & Rocker, White Marking 0, —)
DPST ON-OFF 4.8(.187)	1802.1127 R30 (Dark Gray Base & Rocker, White 0, on Rocker)
DPST ON-OFF 4.8(.187)	1802.1102 R30 (Black Base & Rocker, Red 0, on Rocker)
DPST ON-OFF 4.8(.187)	1802.1133 R50 (Black Base & Rocker, White Marking - ON, OFF on Rocker)

Circuit Function	Terminal Catalog Number
DP.NO ON-OFF Momentary	4.8(.187) 1802.1221 R52 (Black Base & Rocker)
DPST ON-OFF P.C.	1802.2402 (No UL, CSA) (Black Base & Rocker, Red Marking 0 on Rocker)
DPDT ON-ON Solder	1804.0102 R30 (Black Base & Rocker)
DPDT ON-ON Solder	1804.0103 R30 (Black Base & Rocker, White Marking Bar on Rocker)
DPDT ON-ON Solder	1804.0121 R50 (Black Base & Rocker)
DPDT ON-ON 4.8(.187)	1804.1121 R50 (Black Base & Rocker)
DPDT ON-ON 4.8(.187)	1804.1102 R30 (Black Base & Rocker)
DPDT ON-ON 4.8(.187)	1804.1152 (White Base & Rocker, Contact Gold, 30mA - 12 VDC)
DPDT ON-ON 4.8(.187)	1804.1153 (Black Base & Rocker, Contact Gold, 30mA - 12VDC)
DPDT ON-ON P.C.	1804.2152 (Black Base & Rocker, Contact Gold, 30mA - 12VDC)
DPST ON-OFF 4.8(.187)	1805.1102 R87 (Black Base, Red Lighted Rocker, White Marking 0 on Rocker, 220V Bulb)
DPST ON-OFF 4.8(.187)	1805.1121 R55 (Black Base, Red Lighted Rocker, White Marking 0 on Rocker, 125V Bulb)
DPDT ON-OFF -ON	1809.1102 R58 (Black Base & Rocker)
DPDT Mom ON -OFF- Mom ON	1809.1302 R58 (Black Base & Rocker)

1850 SERIES



ILLUMINATED

R69 4A 250V AC 1/10 HP

R53 6A 125V AC 1/10 HP

Technical Data:

Single pole or double pole ST

Lifting contact

Resistance to tracking > KB 250

Life endurance:

Mechanical - 50,000 operations

Electrical - 10,000 cycles

Snap in fixing:

for a wall thickness (X) of 0,75...3 mm recommended cut-out (Y x Z) see table under dimensions

Illumination:

neon lamp with Rv 220V or 110V AC (not interchangeable)

Materials

Rocker and housing made of thermoplastic

Contacts made of Ag

Terminals silver-plated

Circuit Function	Terminal Catalog Number
SPST ON-OFF 4.8(.187)	1850.1121 R69 (Black Base, Red Lighted Rocker, 220V Bulb)
SPST ON-OFF 4.8(.187)	1850.1122 R53 (White Base, Red Lighted Rocker, 125V Bulb)
SPST ON-OFF 4.8(.187)	1850.1123 R53 (Black Base, Red Lighted Rocker, 125V Bulb)
DPST ON-OFF 4.8(.187)	1855.1122 R53 (Black Base, Green Lighted Rocker, 125V Bulb, White Marking, 0)
DPST ON-OFF 4.8(.187)	1855.1123 R53 (White Base, Red Lighted Rocker, 125V Bulb, White Marking, 0)
DPST ON-OFF 4.8(.187)	1855.1124 R53 (Black Base, Red Lighted Rocker, 125V Bulb, White Marking, 0)
DPST ON-OFF 4.8(.187)	1855.1125 R53 (Black Base, Amber Lighted Rocker, 125V Bulb, White Marking, 0)
DPST ON-OFF 4.8(.187)	1855.1126 R69 (Black Base, Green Lighted Rocker, 220V Bulb, White Marking, 0)
DPST ON-OFF 4.8(.187)	1855.1127 R69 (Black Base, Red Lighted Rocker, 220V Bulb, White Marking, 0)
DPST ON-OFF 4.8(.187)	1855.1128 R69 (Black Base, Orange Lighted Rocker, 220V Bulb, White Marking, 0)

Additional Models

Rocker, window and housing in other colors

Rocker with different symbols

With incandescent lamp

MARQUARDT

Rocker Switches/Keymodules

SERIES 1550—SINGLE POLE AND DOUBLE POLE ROCKER SWITCHES OF ONE SIZE FOR 16 A 250V ~

SWITCH FUNCTIONS

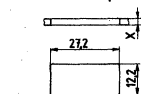
Series 1550 include SPST and DPST switches with or without indicator lamp.

VERSIONS FOR SNAP-IN FIXING IN THE FRONT PLATE

front-frame
30 x 15mm



Cut-out for snap-in fixing

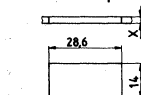


Suitable for snap-in fixing (x)
from 0.8mm to 5mm

front-frame
31,5 x 17mm



Cut-out for snap-in fixing

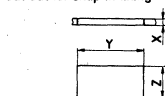


Suitable for snap-in fixing (x)
from 0.8mm to 5mm

VERSIONS FOR SNAP-IN FIXING IN THE MOUNTING-FRAME

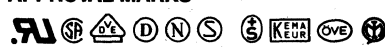


Cut-out for snap-in fixing



X	Y	Z
0,75 ... 1,25	26,2 _{-0,1}	12,4 _{+0,1}
1,25 ... 2	26,4 _{-0,1}	12,4 _{+0,1}
2 ... 3	26,8 _{-0,1}	12,4 _{+0,1}

APPROVAL MARKS



Suited for appliances of class II.

MARKINGS

According to the regulations of the approval authorities, the positions of the double pole switches are marked on the rocker.

SPST/DPST with yellow 16(4)A 250V AC 1/2 HP

Reference Numbers			single pole double pole	
SPST/DPST rocker and housing black	16(4)A 250V ~			
	16A 250V AC 1/2 HP		1551.3102	1552.3102
	16A 125V AC 1/4 HP		1551.0102	1552.0102
SPST/DPST with yellow indicator lamp rocker and housing black	10(4)A 250V ~		1551.2102	1552.2102
	10A 250V AC 1/2 HP		1551.4102	1552.4102
	10A 250V AC 1/4 HP			
SPST/DPST with yellow indicator lamp rocker and housing black	16(4)A 250V ~		1550.3104	1555.3104
	16A 250V AC 1/2 HP		1550.0104	1555.0104
	16A 125V AC 1/4 HP		1550.3124	1555.3124
			1550.0124	1555.0124

SPST/DPST rocker and housing black	16(4)A 250V ~		1551.8102	1552.8102
	16A 250V AC 1/2 HP		1551.5102	1552.5102
	16A 125V AC 1/4 HP			
SPST/DPST with yellow indicator lamp, rocker and housing black	10(4)A 250V ~		1551.7102	1552.7102
	10A 250V AC 1/2 HP		1551.9102	1552.9102
	10A 125V AC 1/4 HP			
SPST/DPST with yellow indicator lamp, rocker and housing black	16(4)A 250V ~		1550.8104	1555.8104
	16A 250V AC 1/2 HP		1550.5104	1555.5104
	16A 125V AC 1/4 HP		1550.8124	1555.8124
			1550.5124	1555.5124

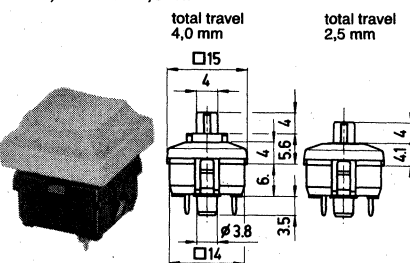
Reference Numbers			single pole double pole	
SPST/DPST rocker and housing black	16(4)A 250V ~		1551.3602	1552.3602
	16A 250V AC 1/2 HP		1551.0602	1552.0602
	16A 125V AC 1/4 HP			
SPST/DPST with yellow indicator lamp, rocker and housing black	10(4)A 250V ~		1551.2602	1552.2602
	10A 250V AC 1/2 HP		1551.4602	1552.4602
	10A 125V AC 1/4 HP			
SPST/DPST with yellow indicator lamp, rocker and housing black	16(4)A 250V ~		1550.3604	1555.3604
	16A 250V AC 1/2 HP		1550.0604	1555.0604
	16A 125V AC 1/4 HP		1550.3624	1555.3624
			1550.0624	1555.0624

Rights of technical alterations reserved. Drawings available with information regarding tolerances.

SERIES 6184—MARQUARDT KEYMODULES WITH OR WITHOUT TACTILE FEEL

SPN-0 WITH TOTAL TRAVEL

OF 4,0 mm or 2,5 mm



Keycaps upon request.

Snap-in fixing into metal frame
recommended cut-out □ 14,05 mm
recommended frame thickness
1,2 mm

Keymodules with total travel of 4,0 mm		Keymodules with total travel of 2,5 mm	
SPN-0	6184.0101	SPN-0	6184.1101
with red LED	6184.0201	with red LED	6184.1201
with green LED	6184.0202	with green LED	6184.1202
with yellow LED	6184.0204	with yellow LED	6184.1204
with diode	6184.0301	with diode	6184.1301
with tactile feel	6184.0701	with tactile feel	6184.1701
with tactile feel and diode	6184.0801	with tactile feel and diode	6184.1801
alternating action	6184.0501	Rights of technical alterations reserved. Drawings available with information regarding tolerances.	
with red LED	6184.0601		
with green LED	6184.0602		
with yellow LED	6184.0604		

MARQUARDT

Rocker Switches

SERIES 1830—SINGLE POLE AND DOUBLE POLE ROCKER SWITCHES FOR MAXIMUM 16 A 250 V AC

SWITCH FUNCTIONS

- SPST/DPST • SPN-C/DPN-C
- SPN-0/DPN-0 • SPDT/DPDT
- SPDT/DPDT momentary function
- SPDT/DPDT with centre-off • SPDT/DPDT with centre-off, momentary from one or both sides • SPST/DPST with indicator lamp • Pilot lights

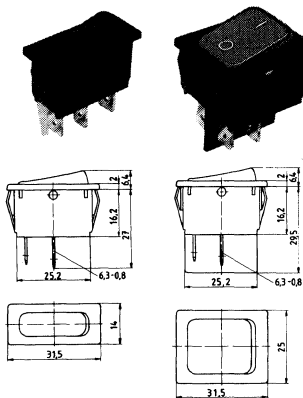
INRUSH CURRENT

16 A-versions are suitable for an inrush current of up to 80 A, 10 A-versions can withstand up to 40 A. Versions with special contacts allow an inrush current of up to 160 A.

VERSIONS FOR SNAP-IN FIXING IN THE FRONT PLATE

single pole

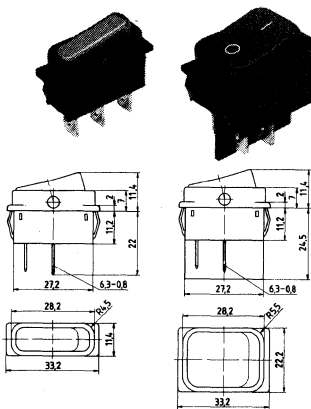
double pole



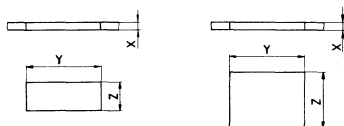
VERSIONS FOR SNAP-IN FIXING IN THE MOUNTING-FRAME

single pole

double pole

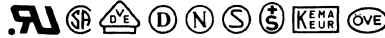


Cut-outs for snap-in fixing



X	Y	Z	X	Y	Z
0,75 ... 1,25	30,0,1	11+0,1	0,75 ... 1,25	30,0,1	22+0,2
1,25 ... 2	30,2,0,1	11+0,1	1,25 ... 2	30,2,0,1	22+0,2
2 ... 3	30,6,0,1	11+0,1	2 ... 3	30,6,0,1	22+0,2

APPROVAL MARKS



Suited for appliances of class II.

DIMENSIONS

The indicated dimensions are not binding. Samples and drawings including tolerances are available on request.

Reference Numbers

SPST/DPST			single pole		double pole	
16A	250V AC 1/2 HP	6,3	1831.3312	1831.8112	1832.3312	1832.8112
	16A 125V AC 1/4 HP					
	16(4)A 250V ~					
	6A 250V AC 1/2 HP	6,3	1831.3302	1831.8102	1832.3307	1832.8102
	6A 125V AC 1/4 HP	4,8	1831.1102	1831.6102	1832.1102	1832.6102
	10(4)A 250V ~		1831.0102	1831.5102	1832.0102	1832.5102
6(4)A	250V ~ + + +		1831.2102	1831.7102	1832.2102	1832.7102
			—	1831.9102	—	1832.9102
SPN-C/DPN-C	4A 250V AC 1/10 HP	6,3	1831.3502	1831.8302	1832.3502	1832.8302
	6A 125V AC 1/10 HP	4,8	1831.1702	1831.6302	1832.1302	1832.6302
	4(2)A 250V ~					
SPN-0/DPN-0	4A 250V AC 1/10 HP	6,3	1831.3402	1831.8202	1832.3407	1832.8202
	6A 125V AC 1/10 HP	4,8	1831.1202	1831.6202	1832.1202	1832.6202
	4(2)A 250V ~					

without marking

SPDT/DPDT			single pole		double pole	
			6A 250V AC 1/2 HP	6,3	1833.3302	1833.8102
			6A 125V AC 1/4 HP	4,8	1833.1102	1833.6102
			10(4)A 250V ~		1833.0102	1833.5102
6(4)A	250V ~ + + +		1833.2102	1833.7102	1834.2102	1834.7102
			—	1833.9102	—	1834.9102
SPDT/DPDT momentary function	4A 250V AC 1/10 HP	6,3	1833.3402	1833.8202	1834.3402	1834.8202
	6A 125V AC 1/10 HP	4,8	1833.1202	1833.6202	1834.1202	1834.6202
	4(2)A 250V ~					
SPDT/DPDT with centre-off	6A 250V AC 1/8 HP	6,3	1838.3502	1838.8102	1839.3502	1839.8102
	6A 125V AC 1/8 HP	4,8	1838.1502	1838.6102	1839.1502	1839.6102
	6(4)A 250V ~		1838.0102	1838.5102	1839.0102	1839.5102
momentary from one side	6A 250V AC 1/8 HP	6,3	1838.3602	1838.8202	1839.3602	1839.8202
	6A 125V AC 1/8 HP	4,8	1838.1602	1838.6202	1839.1602	1839.6202
	6(4)A 250V ~					
momentary from both sides	6A 250V AC 1/8 HP	6,3	1838.3402	1838.8302	1839.3402	1839.8302
	6A 125V AC 1/8 HP	4,8	1838.1402	1838.6302	1839.1402	1839.6302
	6(4)A 250V ~					

LIGHTED (Below Numbers are Amber Color—Lense—Other Colors on Request)

SPST/DPST with Indicator Lamp			single pole		double pole	
			16A 250V AC 1/2 HP	6,3	1830.3114	1835.3114
			16(4)A 250V ~			
			6A 250V AC 1/2 HP	6,3	1830.3104	1835.3104
10(4)A	250V ~	4,8	1830.1114	1830.6104	1835.1114	1835.6104
	250V ~ + + +		1830.0104	1830.5104	1835.0104	1835.5104
6A	125V AC 1/2 HP	6,3	1830.3124	1830.8124	1835.1124	1835.8124
		4,8	1830.1124	1830.6124	1835.1124	1835.6124

without marking

Pilot Light			single pole		double pole	
	220V ~ VDE	6,3	1837.3104	1837.3504	1837.8104	1837.8504
	125V AC UL CSA	6,3	1837.3124	1837.3524	1837.8124	1837.8524

Plug in terminals 6,3 4,8 Solder terminals Straight PC-terminals Angled PC-terminals

We reserve the right to alter our switches in accordance with technical improvements.