



## SERIES 1900

Smallest single-pole rocker switches to 6 (2) A 250 V AC

Appliance cut-out: 19.2 x 6.8 mm  
23.2 x 6.8 mm  
30.0 x 6.8 mm



▶ PAGE  
18 – 20

## SERIES 1800

Single and double-pole rocker switches to 12 (4) A 250 V AC

Appliance cut-out: 19.2 x 12.9 mm  
19.2 x 21.9 mm



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21 – 35

## SERIES 1890

Single-pole rocker switches illuminated with LED to 6 A 24 V DC

Appliance cut-out: 19.2 x 12.9 mm



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## SERIES 1881

Single-pole round rocker switches to 12 (4) A 250 V AC

Appliance cut-out: Ø 20.3 mm  
Ø 21.2 mm



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38 – 41

## SERIES 1855

Miniature double-pole rocker switches to 4 (1) A 250 V AC

Appliance cut-out: 19.2 x 12.9 mm



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## SERIES 1858

Miniature double-pole rocker switches to 10 (4) A 250 V AC 1E4

Appliance cut-out: 19.2 x 12.9 mm



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45 – 47

## SERIES 1941

Single-pole rocker switches IP 50 to 12 (8) A 250 V AC 1E4

Appliance cut-out: 19.2 x 12.9 mm



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48 – 49



# ROCKER SWITCHES

## SERIES 1550

Single-pole rocker switches  
to 16 (4) A 250 V AC

Appliance cut-out: 26.2 x 12.4 mm  
27.2 x 12.2 mm  
28.6 x 14.0 mm



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50 – 55

## SERIES 1830

Single and double-pole  
rocker switches  
to 20 (4) A 250 V AC

Appliance cut-out: 30.0 x 11.0 mm  
30.0 x 22.0 mm



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## SERIES 1930

Double-pole rocker switches IP 65  
to 20 (4) A 250 V AC

Appliance cut-out: 30.0 x 22.0 mm



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70 – 74

## SERIES 1656

Single-pole rocker switches  
to 10 A 250 V AC

Appliance cut-out: 28.0 x 13.0 mm



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75 – 76

## SERIES 3230

Single and double-pole  
rocker switches  
to 10 (5) A 12 and 24 V DC



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77 – 82

## SERIES 3250

Single and double-pole rocker  
switches IP 66/IP 68  
to 20 (10) A 12 and 24 V DC 1E5



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83 – 93

## SERIES 0344

Three-pole rocker switches  
to 16 (6) A 400 V AC



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ROCKER SWITCHES  
PUSHBUTTON SWITCHES  
TOGGLE SWITCHES  
SLIDE SWITCHES  
ROTARY SWITCHES  
FOOT SWITCHES  
TACT AND KEY SWITCHES  
SNAP-ACTION SWITCHES  
MICRO-SIGNAL SWITCHES  
SENSORS  
ECO  
PUSH/DRIVE



# SERIES 1900 - SMALLEST SINGLE-POLE ROCKER SWITCHES

TO 6 (2) A 250 V AC



## PRODUCT FEATURES

- Reliable leaf spring contact system with contact spacing  $\geq 3$  mm
- Attractive, slim design
- Three sizes
- Low space requirement due to small sizes

## ON REQUEST


- Other colors
- Other printing variants
- Cable assembly


Mechanical life endurance	75E3
Operating force	2 - 5 N
Contact resistance (new condition)	< 100 mOhm (1 A 12 V DC)
Insulation resistance (new condition)	> 100 MOhm (500 V DC)
Proof tracking	250 PTI
Protection type	IP 40
Ambient temperature	terminal side -20 °C ... +85 °C actuating side -20 °C ... +55 °C
Flammability	UL 94 V-2
Glow wire test temperature	850 °C
Material actuator housing terminals	PA PA silver plated
Plug force of the terminals	$\leq 80$ N
Approval marks	
Suitable for appliances of protection class II	



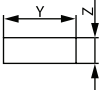
# SERIES 1900 - SMALLEST SINGLE-POLE ROCKER SWITCHES

TO 6 (2) A 250 V AC

 single-pole	Actuator color / printing	Housing color	6 (2) A 250 V AC 1E4	4 (1) A 250 V AC 5E4	30 mA 12 V DC 5E4	6 A 125 - 250 V AC 1/8 HP	Terminal type	Terminal description	Contact distance (mm)	Contact material	Miscellaneous	Stock version
	ON / OFF switch (SPST)											
1901.1102		Black	○	○		○		4.8	≧ 3	Ag		○
1901.1103		Black	○	○		○		4.8	≧ 3	Ag		○
1901.1106		White	○	○		○		4.8	≧ 3	Ag	rocker marking silver	
1911.1102		Black	○	○		○		4.8	≧ 3	Ag		○
1911.1104		Black	○	○		○		4.8	≧ 3	Ag		
1921.1101		White	○	○		○		4.8	≧ 3	Ag		
1921.1102		Black	○	○		○		4.8	≧ 3	Ag		○
1901.1152		Black			○			4.8	≧ 3	Au		

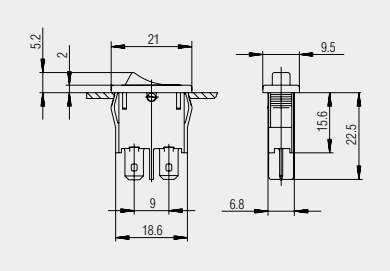



Basic type 1901  
single-pole



X = Wall thickness

x	y	z
0.75 ... 1.25	19.2 <sup>-0.1</sup>	6.8 <sup>+0.1</sup>
1.25 ... 2	19.4 <sup>-0.1</sup>	6.8 <sup>+0.1</sup>
2 ... 3	19.8 <sup>-0.1</sup>	6.8 <sup>+0.1</sup>



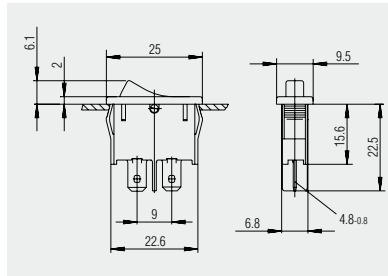
 Quick-connect terminal 4.8 x 0.8

ROCKERSWITCHES  
 PUSHBUTTON SWITCHES  
 TOGGLE SWITCHES  
 SLIDE SWITCHES  
 ROTARY SWITCHES  
 FOOT SWITCHES  
 TACT AND KEY SWITCHES  
 SNAP-ACTION SWITCHES  
 MICRO-SIGNAL SWITCHES  
 SENSORS  
 ECO  
 PUSH IN DRIVE



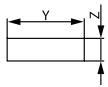
# SERIES 1900 - SMALLEST SINGLE-POLE ROCKER SWITCHES

TO 6 (2) A 250 V AC



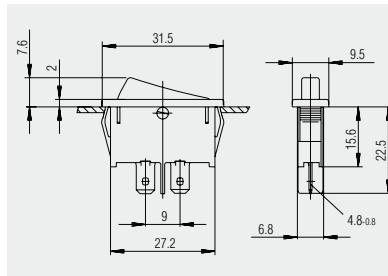
Basic type 1911  
single-pole

 Quick-connect terminal 4.8 x 0.8



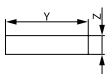
X = Wall thickness

x	y	z
0.75 ... 1.25	23.2 <sup>-0.1</sup>	6.8 <sup>+0.1</sup>
1.25 ... 2	23.4 <sup>-0.1</sup>	6.8 <sup>+0.1</sup>
2 ... 3	23.8 <sup>-0.1</sup>	6.8 <sup>+0.1</sup>



Basic type 1921  
single-pole

 Quick-connect terminal 4.8 x 0.8



X = Wall thickness

x	y	z
0.75 ... 1.25	30 <sup>-0.1</sup>	6.8 <sup>+0.1</sup>
1.25 ... 2	30.2 <sup>-0.1</sup>	6.8 <sup>+0.1</sup>
2 ... 3	30.6 <sup>-0.1</sup>	6.8 <sup>+0.1</sup>



# SERIES 1800 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 12 (4) A 250 V AC



## PRODUCT FEATURES

- 100 million times proven switching principle
- High, flexible design variety
- Excellent actuating characteristic
- Illuminated and non-illuminated variants

## ON REQUEST

- Other colors
- Other printing variants
- Other lamp variants
- Snap-on, customized actuators
- Cable assembly

Mechanical life endurance	10E4 5E4 (basic types 1808 and 1809)
Inrush current (capacitive)	50 A 70 A (contact pairing Ag / Ag, product-dependent)
Contact resistance (new condition)	< 100 mOhm (1 A 12 V DC)
Insulation resistance (new condition)	> 100 MOhm (500 V DC)
Proof tracking	250 PTI
Protection type	IP 40
Ambient temperature	terminal side -20 °C ... +100 °C ... +85 °C (product-dependent) actuating side -20 °C ... +55 °C
Flammability	UL 94 V-2 UL 94 V-0 (product-dependent)
Glow wire test temperature	850 °C
Material actuator housing terminals	PA / PC PA silver plated / tinned / gold plated
Plug force of the terminals	≤ 80 N
Approval marks	
Suitable for appliances of protection class II	



# SERIES 1800 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 12 (4) A 250 V AC

single-pole		ON / OFF switch (SPST)														
		1800.0102	1800.0108	1800.1102	1800.1104	1800.1108	1801.1121	1801.1148	1801.1520	1801.1908	1801.1926	1801.6122	1801.6130	1801.1101	1801.1102	1801.1119
Lighting voltage (V)		230	230	230	230	230										
Actuator color / printing																
Housing color																
12 (4) A 250 V AC 1E4							○	○	○	○	○	○	○			
10 (4) A 250 V AC 1E4		○	○	○	○	○								○	○	○
8 (8) A 250 V AC 5E4							○	○	○	○	○	○	○			
6 (4) A 250 V AC 5E4		○	○	○	○	○								○	○	○
6 (2) A 250 V AC 1E4																
4 (3) A 250 V AC 6E3																
4 (2) A 250 V AC 1E4																
30 mA 12 V DC 5E4																
15 A 250 V AC 1 1/2 HP							○	○	○	○	○	○	○			
15 A 125 V AC 3/4 HP							○	○	○	○	○	○	○			
10 A 250 V AC 1/2 HP																
10 A 125 V AC 1/3 HP																
6 A 250 V AC 1/2 HP		○	○	○	○	○								○	○	○
6 A 125 V AC 1/4 HP														○	○	○
6 A 125 - 250 V AC 1/8 HP																
6 A 125 V AC 1/10 HP																
4 A 250 V AC 1/10 HP																
Terminal type																
Terminal description				4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
Inrush current (capacitive) (A)							70	70	70	70	70	70	70	50	50	50
Contact distance (mm)		≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3
Contact material		Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag
EN 60335 cap. 30 conform "G"											○	○				
Miscellaneous		sealing plate	sealing plate						snap-on rocker							
Stock version				○		○	○		○		○			○	○	○



# SERIES 1800 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 12 (4) A 250 V AC

<div style="text-align: center;"> <p>single-pole</p> </div>	ON / OFF switch (SPST)								Normally closed contact (SPNC)		Normally open contact (SPNO)		
	1801.1146	1801.1403	1801.2106	1801.2402	1801.2702	1801.5102	1801.6101	1801.6102	1801.6115	1801.1151	1801.1302	1801.1303	1801.6222
Lighting voltage (V)													
Actuator color / printing													
Housing color	Black	Black	Black	Black	Black	Black	White	Black	Black	Black	Black	Black	Black
12 (4) A 250 V AC 1E4													
10 (4) A 250 V AC 1E4	○	○	○	○	○	○	○	○	○				○
8 (8) A 250 V AC 5E4													
6 (4) A 250 V AC 5E4	○	○	○	○	○	○	○	○	○				○
6 (2) A 250 V AC 1E4													
4 (3) A 250 V AC 6E3													
4 (2) A 250 V AC 1E4											○	○	
30 mA 12 V DC 5E4										○			
15 A 250 V AC 1 1/2 HP													
15 A 125 V AC 3/4 HP													
10 A 250 V AC 1/2 HP													
10 A 125 V AC 1/3 HP													
6 A 250 V AC 1/2 HP	○	○	○	○	○	○	○	○	○				
6 A 125 V AC 1/4 HP	○	○	○	○	○	○	○	○	○				
6 A 125 - 250 V AC 1/8 HP													
6 A 125 V AC 1/10 HP											○	○	
4 A 250 V AC 1/10 HP											○	○	
Terminal type													
Terminal description	4.8	4.8							4.8		4.8	4.8	
Inrush current (capacitive) (A)	50	50	50	50	50	50	50	50	50				
Contact distance (mm)	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3		≥ 3	≥ 3	≥ 3
Contact material	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Au	Ag	Ag	Ag
EN 60335 cap. 30 conform "G"										○			
Miscellaneous		with dust cap black		installation depth 13.2	installation depth 28.1								
Stock version	○	○	○				○	○	○	○			○


ROCKERSWITCHES  
 PUSHBUTTON SWITCHES  
 TOGGLE SWITCHES  
 SLIDE SWITCHES  
 ROTARY SWITCHES  
 FOOT SWITCHES  
 TACT AND KEY SWITCHES  
 SNAP-ACTION SWITCHES  
 MICRO-SIGNAL SWITCHES  
 SENSORS  
 ECO  
 PUSH IN DRIVE





# SERIES 1800 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 12 (4) A 250 V AC

<p>single-pole</p> 	Normally open contact (SPNO)		Changeover switch (SPDT)							Changeover switch with OFF position in the center (SPDT - Center OFF)				
	1801.1202	1801.2202	1803.1102	1803.1121	1803.2102	1803.5102	1803.6102	1803.6152	1808.1101	1808.1102	1808.1103	1808.1112	1808.1202	
Lighting voltage (V)														
Actuator color / printing														
Housing color														
12 (4) A 250 V AC 1E4														
10 (4) A 250 V AC 1E4			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
8 (8) A 250 V AC 5E4														
6 (4) A 250 V AC 5E4			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
6 (2) A 250 V AC 1E4									<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4 (3) A 250 V AC 6E3														
4 (2) A 250 V AC 1E4	<input type="checkbox"/>	<input type="checkbox"/>												
30 mA 12 V DC 5E4								<input type="checkbox"/>						
15 A 250 V AC 1 1/2 HP														
15 A 125 V AC 3/4 HP														
10 A 250 V AC 1/2 HP				<input type="checkbox"/>										
10 A 125 V AC 1/3 HP				<input type="checkbox"/>										
6 A 250 V AC 1/2 HP			<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
6 A 125 V AC 1/4 HP			<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
6 A 125 - 250 V AC 1/8 HP									<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6 A 125 V AC 1/10 HP	<input type="checkbox"/>	<input type="checkbox"/>												
4 A 250 V AC 1/10 HP	<input type="checkbox"/>	<input type="checkbox"/>												
Terminal type														
Terminal description	4.8		4.8	4.8					4.8	4.8	4.8	4.8	4.8	4.8
Inrush current (capacitive) (A)														
Contact distance (mm)	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	< 3	< 3	< 3	< 3	< 3	< 3
Contact material	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Au	Ag	Ag	Ag	Ag	Ag	Ag
EN 60335 cap. 30 conform "G"												<input type="checkbox"/>		
Miscellaneous													momentary function one side	
Stock version	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>



# SERIES 1800 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 12 (4) A 250 V AC


single-pole		Changeover switch with OFF position in the center (SPDT - Center OFF)										Changeover switch (SPDT momentary)		
		1808.1302	1808.2102	1808.2302	1808.2704	1808.6102	1808.6103	1808.6202	1808.6302	1808.1152	1808.1353	1803.6222	1803.1202	1803.1252
Lighting voltage (V)														
Actuator color / printing														
Housing color														
12 (4) A 250 V AC 1E4														
10 (4) A 250 V AC 1E4												○		
8 (8) A 250 V AC 5E4												○		
6 (4) A 250 V AC 5E4														
6 (2) A 250 V AC 1E4		○	○	○	○	○	○	○	○					
4 (3) A 250 V AC 6E3														
4 (2) A 250 V AC 1E4													○	
30 mA 12 V DC 5E4											○		○	
15 A 250 V AC 1 1/2 HP														
15 A 125 V AC 3/4 HP												○		
10 A 250 V AC 1/2 HP												○		
10 A 125 V AC 1/3 HP														
6 A 250 V AC 1/2 HP														
6 A 125 V AC 1/4 HP														
6 A 125 - 250 V AC 1/8 HP		○	○	○	○	○	○	○	○					
6 A 125 V AC 1/10 HP													○	
4 A 250 V AC 1/10 HP												○		
Terminal type														
Terminal description		4.8								4.8		4.8		4.8
Inrush current (capacitive) (A)														
Contact distance (mm)		< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	>= 3	>= 3	>= 3	
Contact material		Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Au	Au	Ag	Ag	Au
EN 60335 cap. 30 conform "G"														
Miscellaneous		momentary function both sides	PCB tinned	PCB tinned momentary function both sides	installation depth 29.6			momentary function one side	momentary function both sides					
Stock version		○	○	○		○	○		○			○	○	

ROCKER SWITCHES  
PUSHBUTTON SWITCHES  
TOGGLE SWITCHES  
SLIDE SWITCHES  
ROTARY SWITCHES  
FOOT SWITCHES  
TACT AND KEY SWITCHES  
SNAP-ACTION SWITCHES  
MICRO-SIGNAL SWITCHES  
SENSORS  
ECO  
PUSH IN DRIVE



# SERIES 1800 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES


TO 12 (4) A 250 V AC

		ON / OFF switch (DPST)														
		1805.6102	1805.6108	1805.7104	1805.7109	1805.7110	1805.7112	1805.7118	1802.1121	1802.1123	1802.2504	1802.3311	1802.6123	1802.1101	1802.1102	1802.1108
Lighting voltage (V)		230	230	230	230	230	110 - 230	110 - 230								
Actuator color / printing																
Housing color																
12 (4) A 250 V AC 1E4							○	○					○			
10 (4) A 250 V AC 1E4		○	○	○	○	○								○	○	○
8 (8) A 250 V AC 5E4							○	○	○	○	○	○	○			
6 (4) A 250 V AC 5E4		○	○	○	○	○								○	○	○
6 (2) A 250 V AC 1E4																
4 (3) A 250 V AC 6E3																
4 (2) A 250 V AC 1E4																
30 mA 12 V DC 5E4																
15 A 250 V AC 1 1/2 HP							○	○	○	○	○	○	○			
15 A 125 V AC 3/4 HP							○	○	○	○	○	○	○			
10 A 250 V AC 1/2 HP																
10 A 125 V AC 1/3 HP																
6 A 250 V AC 1/2 HP		○	○	○	○	○								○	○	○
6 A 125 V AC 1/4 HP														○	○	○
6 A 125 - 250 V AC 1/8 HP																
6 A 125 V AC 1/10 HP																
4 A 250 V AC 1/10 HP																
Terminal type																
Terminal description				4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.3 lang	4.8 75° angled M3		4.8	4.8	4.8
Inrush current (capacitive) (A)		50	50	50	50	50	70	70	70	70	70	70	70	50	50	50
Contact distance (mm)		≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3
Contact material		Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag
EN 60335 cap. 30 conform "G"							○									
Miscellaneous		installation depth 17.5	installation depth 17.5	installation depth 19.5	installation depth 19.5	installation depth 19.5	installation depth 20.5 ignition voltage < 100 V	installation depth 20.5 ignition voltage < 100 V			installation depth 16.2	shortened gate				
Stock version				○	○	○		○	○	○			○	○	○	○



# SERIES 1800 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 12 (4) A 250 V AC

 double-pole		ON / OFF switch (DPST)					Normally open contact (DPNO)	Changeover switch (DPDT)					Changeover switch with OFF position in the center (DPDT - Center OFF)	
Lighting voltage (V)	Actuator color / printing	1802.2102	1802.2104	1802.3102	1802.5103	1802.6152	1802.1221	1804.1102	1804.1125	1804.2102	1804.6121	1809.1102	1809.1202	
Housing color		[Red/Black]					[Black]	[Black]					[Black]	
12 (4) A 250 V AC 1E4														
10 (4) A 250 V AC 1E4		○	○	○	○			○	○	○	○			
8 (8) A 250 V AC 5E4														
6 (4) A 250 V AC 5E4		○	○	○	○			○	○	○	○			
6 (2) A 250 V AC 1E4												○		
4 (3) A 250 V AC 6E3													○	
4 (2) A 250 V AC 1E4							○							
30 mA 12 V DC 5E4						○								
15 A 250 V AC 1 1/2 HP														
15 A 125 V AC 3/4 HP														
10 A 250 V AC 1/2 HP									○					
10 A 125 V AC 1/3 HP									○		○			
6 A 250 V AC 1/2 HP		○	○	○	○			○		○				
6 A 125 V AC 1/4 HP		○	○	○	○			○		○				
6 A 125 - 250 V AC 1/8 HP											○		○	
6 A 125 V AC 1/10 HP														
4 A 250 V AC 1/10 HP														
Terminal type		⌋	⌋	⌋	⌋	⌋	⌋	⌋	⌋	⌋	⌋	⌋	⌋	
Terminal description				4.8 M3			4.8	4.8	1 mm longer 4.8			4.8	4.8	
Inrush current (capacitive) (A)		50	50	50	50									
Contact distance (mm)		≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	< 3	< 3	
Contact material		Ag	Ag	Ag	Ag	Au	Ag	Ag	Ag	Ag	Ag	Ag	Ag	
EN 60335 cap. 30 conform "G"														
Miscellaneous													momentary function one side	
Stock version		○	○	○	○		○	○	○	○	○	○	○	

ROCKER SWITCHES  
PUSHBUTTON SWITCHES  
TOGGLE SWITCHES  
SLIDE SWITCHES  
ROTARY SWITCHES  
FOOT SWITCHES  
TACT AND KEY SWITCHES  
SMAP-ACTION SWITCHES  
MICRO-SIGNAL SWITCHES  
SENSORS  
ECO  
PUSH IN DRIVE



# SERIES 1800 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 12 (4) A 250 V AC

<p>double-pole</p>		1809.1302	1809.2102	1804.1225
Lighting voltage (V)				
Actuator color / printing				
Housing color				
12 (4) A 250 V AC 1E4				
10 (4) A 250 V AC 1E4				
8 (8) A 250 V AC 5E4				
6 (4) A 250 V AC 5E4				
6 (2) A 250 V AC 1E4		○	○	
4 (3) A 250 V AC 6E3				○
4 (2) A 250 V AC 1E4				
30 mA 12 V DC 5E4				
15 A 250 V AC 1 1/2 HP				
15 A 125 V AC 3/4 HP				
10 A 250 V AC 1/2 HP				
10 A 125 V AC 1/3 HP				
6 A 250 V AC 1/2 HP				
6 A 125 V AC 1/4 HP				
6 A 125 - 250 V AC 1/8 HP		○	○	
6 A 125 V AC 1/10 HP				○
4 A 250 V AC 1/10 HP				○
Terminal type				
Terminal description		4.8		1 mm longer 4.8
Inrush current (capacitive) (A)				
Contact distance (mm)		< 3	< 3	≥ 3
Contact material		Ag	Ag	Ag
EN 60335 cap. 30 conform "G"				
Miscellaneous		momentary function both sides	PCB tinned	
Stock version		○		

Changeover switch with OFF position in the center (DPDT - Center OFF)

Changeover switch (DPDT momentary)

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MIKRO-SIGNALSCHALTER

SENSORS











ECO

PUSH'DRIVE



# SERIES 1800 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 12 (4) A 250 V AC












Combination 	ON / OFF switch (SPST)		Changeover switch with OFF position in the center (SPDT - Center OFF)
	1806.1102	1806.6108	
Lighting voltage (V)			
Actuator color / printing			
Housing color			
12 (4) A 250 V AC 1E4			
10 (4) A 250 V AC 1E4	○	○	
8 (8) A 250 V AC 5E4			
6 (4) A 250 V AC 5E4	○	○	
6 (2) A 250 V AC 1E4			○
4 (3) A 250 V AC 6E3			
4 (2) A 250 V AC 1E4			
30 mA 12 V DC 5E4			
15 A 250 V AC 1 1/2 HP			
15 A 125 V AC 3/4 HP			
10 A 250 V AC 1/2 HP			
10 A 125 V AC 1/3 HP			
6 A 250 V AC 1/2 HP	○	○	
6 A 125 V AC 1/4 HP	○	○	
6 A 125 - 250 V AC 1/8 HP			
6 A 125 V AC 1/10 HP			
4 A 250 V AC 1/10 HP			
Terminal type			
Terminal description	4.8		4.8
Inrush current (capacitive) (A)			
Contact distance (mm)	≥ 3	≥ 3	< 3
Contact material	Ag	Ag	Ag
EN 60335 cap. 30 conform "G"			
Miscellaneous		without separating gate	life endurance 50 000 cycles
Stock version	○		

ROCKER SWITCHES  
PUSHBUTTON SWITCHES  
TOGGLE SWITCHES  
SLIDE SWITCHES  
ROTARY SWITCHES  
FOOT SWITCHES  
TACT AND KEY SWITCHES  
SNAP-ACTION SWITCHES  
MICRO-SIGNAL SWITCHES  
SENSORS  
ECO  
PUSH IN DRIVE



# SERIES 1800 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 12 (4) A 250 V AC

	Lamp				
	1806.1508	1807.1102	1807.1108	1807.1126	1807.6103
<b>Lamp</b> 					
<b>Lighting voltage (V)</b>	230 230	230	230	230	230
<b>Actuator color / printing</b>					
<b>Housing color</b>					
<b>12 (4) A 250 V AC 1E4</b>					
<b>10 (4) A 250 V AC 1E4</b>					
<b>8 (8) A 250 V AC 5E4</b>					
<b>6 (4) A 250 V AC 5E4</b>					
<b>6 (2) A 250 V AC 1E4</b>					
<b>4 (3) A 250 V AC 6E3</b>					
<b>4 (2) A 250 V AC 1E4</b>					
<b>30 mA 12 V DC 5E4</b>					
<b>15 A 250 V AC 1 1/2 HP</b>					
<b>15 A 125 V AC 3/4 HP</b>					
<b>10 A 250 V AC 1/2 HP</b>					
<b>10 A 125 V AC 1/3 HP</b>					
<b>6 A 250 V AC 1/2 HP</b>					
<b>6 A 125 V AC 1/4 HP</b>					
<b>6 A 125 - 250 V AC 1/8 HP</b>					
<b>6 A 125 V AC 1/10 HP</b>					
<b>4 A 250 V AC 1/10 HP</b>					
<b>Terminal type</b>					
<b>Terminal description</b>	4.8	4.8	4.8	4.8	4.8
<b>Inrush current (capacitive) (A)</b>					
<b>Contact distance (mm)</b>					
<b>Contact material</b>					
<b>EN 60335 cap. 30 conform "G"</b>					
<b>Miscellaneous</b>		VDE	VDE	VDE	size basic type 1805 VDE
<b>Stock version</b>		○	○		

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MIKRO-SIGNALSCHALTER

SENSORS

ECO

PUSH'DRIVE

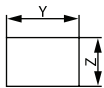


# SERIES 1800 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

T0 12 (4) A 250 V AC

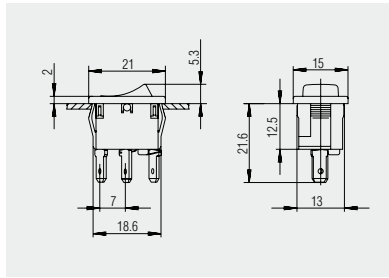


Basic types 1801  
single-pole  
illuminated / non-illuminated

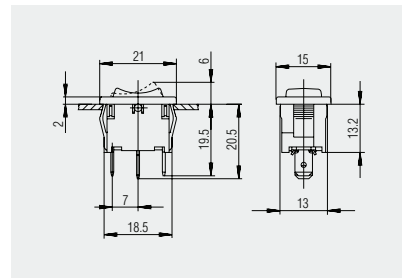


X = Wall thickness

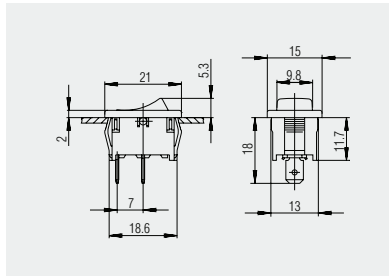
x	y	z
0.75 ... 1.25	19.2 <sup>-0.1</sup>	12.9 <sup>+0.1</sup>
1.25 ... 2	19.4 <sup>-0.1</sup>	12.9 <sup>+0.1</sup>
2 ... 3	19.8 <sup>-0.1</sup>	12.9 <sup>+0.1</sup>



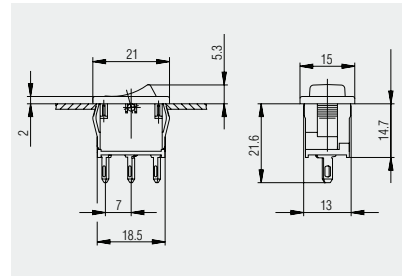
Quick-connect terminal 4.8 x 0.8  
basic type 1800



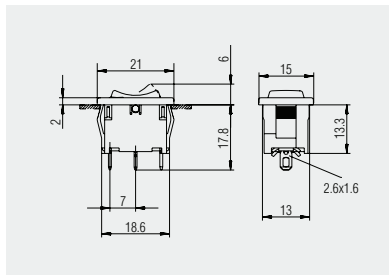
Quick-connect terminal 4.8 x 0.8  
basic type 1808



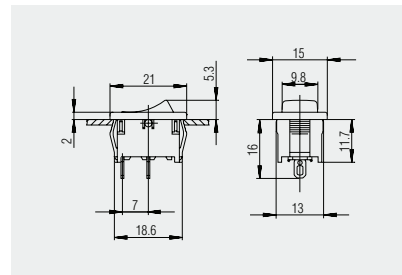
Quick-connect terminal 4.8 x 0.8  
basic types 1801 and 1803



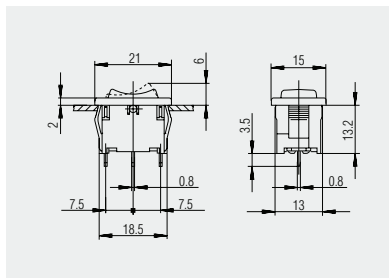
Solder terminal  
basic type 1800



Solder terminal  
basic type 1808



Solder terminal  
basic types 1801 and 1803



PCB terminal  
basic type 1808

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

SENSORS

ECO

PUSH IN DRIVE



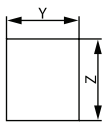


# SERIES 1800 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

T0 12 (4) A 250 V AC

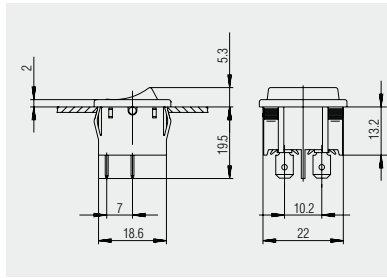


Basic types 1802, 1804 and 1805 double-pole illuminated / non-illuminated

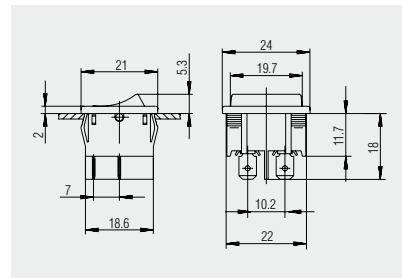


X = Wall thickness

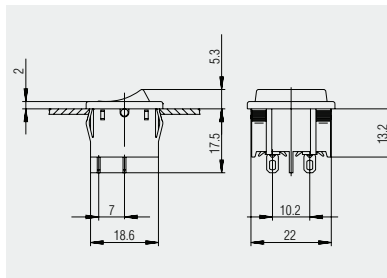
x	y	z
0.75 ... 1.25	19.2 <sup>-0.1</sup>	21.9 <sup>+0.1</sup>
1.25 ... 2	19.4 <sup>-0.1</sup>	21.9 <sup>+0.1</sup>
2 ... 3	19.8 <sup>-0.1</sup>	21.9 <sup>+0.1</sup>



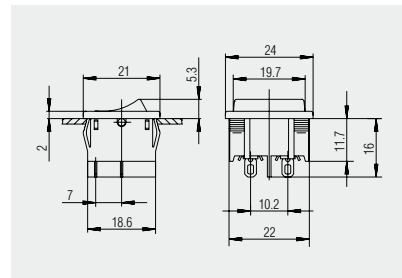
Quick-connect terminal 4.8 x 0.8 basic type 1805



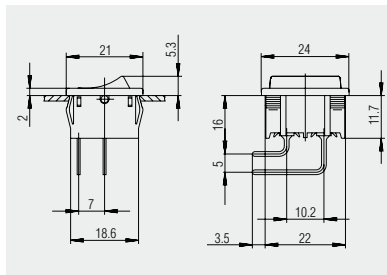
Quick-connect terminal 4.8 x 0.8 basic types 1802 and 1804



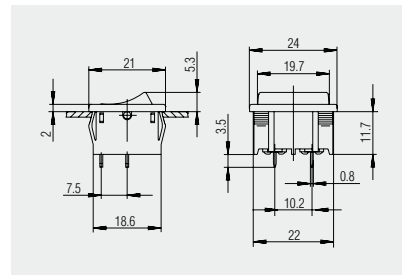
Solder terminal basic type 1805



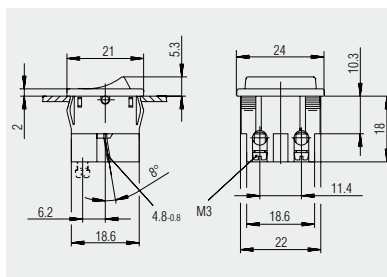
Solder terminal basic types 1802 and 1804



PCB terminal angled



PCB terminal basic types 1802 and 1804



Terminal 1 2 Quick-connect terminal 4.8 x 0.8 Terminal 1a 2a Socket terminal M3 1802.3102

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

SENSORS

ECO

PUSH'DRIVE

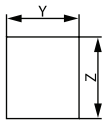


# SERIES 1800 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 12 (4) A 250 V AC

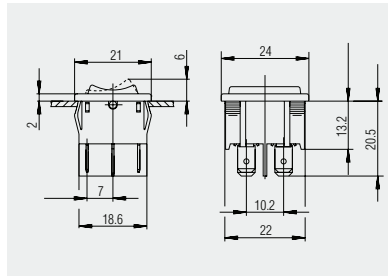


Basic type 1809  
double-pole  
non-illuminated

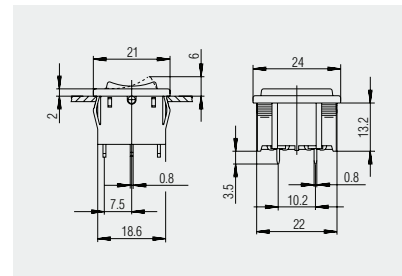


X = Wall thickness

x	y	z
0.75 ... 1.25	19.2 <sup>-0.1</sup>	21.9 <sup>+0.1</sup>
1.25 ... 2	19.4 <sup>-0.1</sup>	21.9 <sup>+0.1</sup>
2 ... 3	19.8 <sup>-0.1</sup>	21.9 <sup>+0.1</sup>



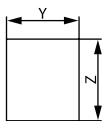
Quick-connect terminal 4.8 x 0.8



PCB terminal

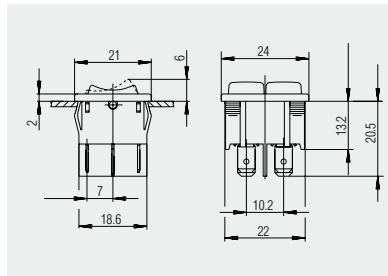


Basic type 1806  
combination

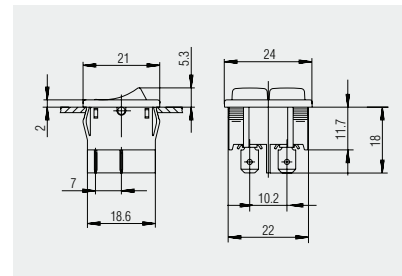


X = Wall thickness

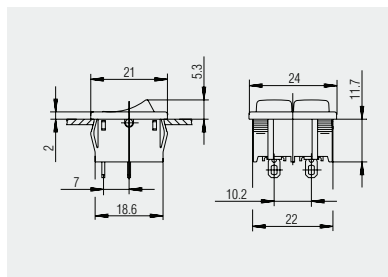
x	y	z
0.75 ... 1.25	19.2 <sup>-0.1</sup>	21.9 <sup>+0.1</sup>
1.25 ... 2	19.4 <sup>-0.1</sup>	21.9 <sup>+0.1</sup>
2 ... 3	19.8 <sup>-0.1</sup>	21.9 <sup>+0.1</sup>



Quick-connect terminal 4.8 x 0.8  
1806.1102



Quick-connect terminal 4.8 x 0.8  
1806.1602



Solder terminal  
1806.6108

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SMAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

SENSORS

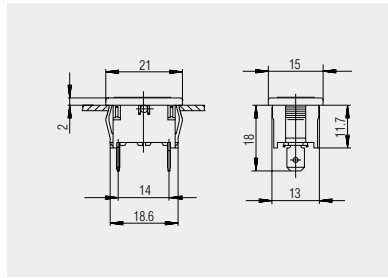
ECO

PUSH IN DRIVE



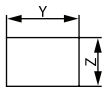
# SERIES 1800 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 12 (4) A 250 V AC



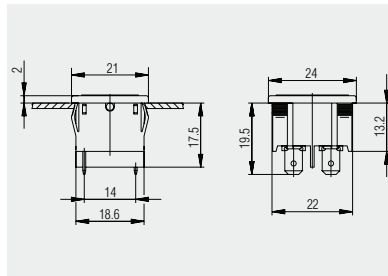
Basic type 1807  
lamp

Quick-connect terminal 4.8 x 0.8



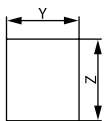
X = Wall thickness

x	y	z
0.75 ... 1.25	19.2 <sup>-0.1</sup>	12.9 <sup>+0.1</sup>
1.25 ... 2	19.4 <sup>-0.1</sup>	12.9 <sup>+0.1</sup>
2 ... 3	19.8 <sup>-0.1</sup>	12.9 <sup>+0.1</sup>



Basic type 1807  
lamp

Quick-connect terminal 4.8 x 0.8



X = Wall thickness

x	y	z
0.75 ... 1.25	19.2 <sup>-0.1</sup>	21.9 <sup>+0.1</sup>
1.25 ... 2	19.4 <sup>-0.1</sup>	21.9 <sup>+0.1</sup>
2 ... 3	19.8 <sup>-0.1</sup>	21.9 <sup>+0.1</sup>

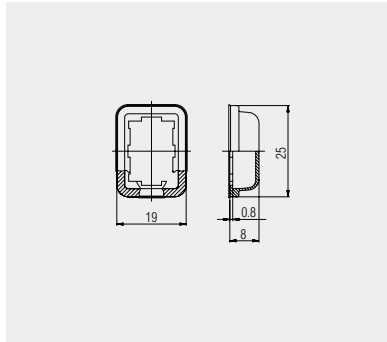


# SERIES 1800 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 12 (4) A 250 V AC



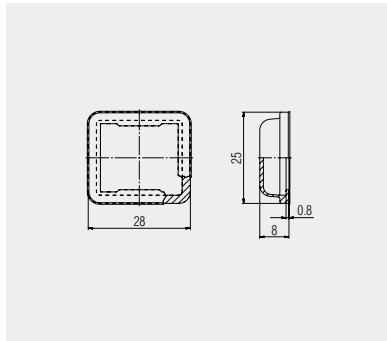
Protection cap  
203.089.011



Transparent PVC-protection cap for single-pole switches of basic types 1800, 1801, 1803 and 1808. Serves as dust and water protection of the actuation side.



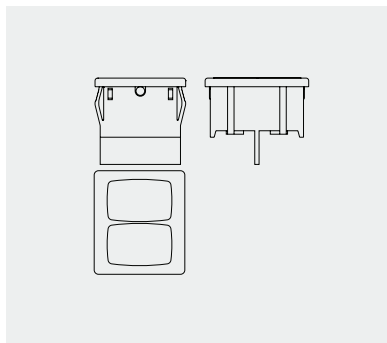
Protection cap  
203.090.011



Transparent PVC-protection cap for double-pole switches of basic types 1802, 1804, 1805 and 1809. Serves as dust and water protection of the actuation side.



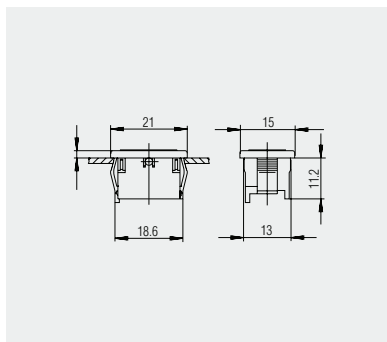
Dummy piece  
203.086.013



Dummy piece for size of basic type 1802, 1804, 1805, 1806, 1807 and 1809 made of PA with window and housing in black



Dummy piece  
203.007.013  
203.007.023 - V0 material



Dummy piece for size of basic type 1800, 1801, 1803, 1807, 1808, 1811, 1813, 1818, 1846, 1850 and 1858 made of PA with window and housing in black

## ➤ SERIES 1890 - SINGLE-POLE ROCKER SWITCHES ILLUMINATED WITH LED

TO 6 A 24 V DC



### PRODUCT FEATURES

- ➔ Illuminated with LED
- ➔ High mechanical life endurance




### ON REQUEST

- ➔ Other colors
- ➔ Printing
- ➔ Other terminal types
- ➔ Variant for mains application

Mechanical life endurance	75E3
Operating force	3 N
Contact resistance (new condition)	< 100 mOhm (1 A 12 V DC)
Insulation resistance (new condition)	> 100 MOhm (500 V DC)
Proof tracking	250 PTI
Protection type	IP 40
Ambient temperature	terminal side -20 °C ... +100 °C actuating side -20 °C ... +55 °C
Flammability	UL 94 (actuator: V-2, housing: V-0)
Glow wire test temperature	850 °C
Material	actuator housing terminals
	PA PA silver plated
Plug force of the terminals	≤ 80 N
Suitable for appliances of protection class II	

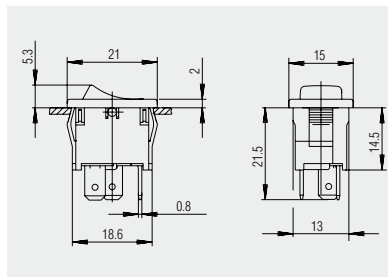
# ➔ SERIES 1890 - SINGLE-POLE ROCKER SWITCHES ILLUMINATED WITH LED

TO 6 A 24 V DC

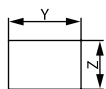
single-pole	Lighting voltage (V)	Actuator color / printing	Housing color	6 A 24 V DC	Terminal type	Terminal description	Contact distance (mm)	Contact material	Miscellaneous	Stock version
ON / OFF switch (SPST)										
1890.1104	24				4.8	IV 3	Ag			



Basic type 1890



 Quick-connect terminal 4.8 x 0.8

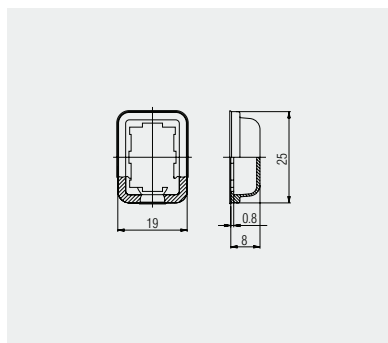


X = Wall thickness

x	y	z
0.75 ... 1.25	19.2 <sup>-0.1</sup>	12.9 <sup>+0.1</sup>
1.25 ... 2	19.4 <sup>-0.1</sup>	12.9 <sup>+0.1</sup>
2 ... 3	19.8 <sup>-0.1</sup>	12.9 <sup>+0.1</sup>



Protection cap  
203.089.011



Transparent PVC-protection cap.  
Serves as dust and water protection  
of the actuation side.

ROCKER SWITCHES  
PUSHBUTTON SWITCHES  
TOGGLE SWITCHES  
SLIDE SWITCHES  
ROTARY SWITCHES  
FOOT SWITCHES  
TACT AND KEY SWITCHES  
SNAP-ACTION SWITCHES  
MICRO-SIGNAL SWITCHES  
SENSORS  
ECO  
PUSH/DRIVE



# SERIES 1881 - SINGLE-POLE ROUND ROCKER SWITCHES

TO 12 (4) A 250 V AC



## PRODUCT FEATURES

- Attractive round rocker switch
- High mechanical rating with at least 100 000 switching cycles
- Variants with IP 51
- Low depth with 18.7 mm
- Appliance cut-out with 20 mm

## ON REQUEST
























- Other colors
- Other printing variants
- Other terminal variants (e.g. PCB)
- Cable assembly
- Gold-plated contacts for low voltages
- Other switching functions (e.g. 1888 - middle off)
- Painted variants

Mechanical life endurance	10E4
Operating force	3 N
Inrush current (capacitive)	70 A
Contact resistance (new condition)	< 100 mOhm (1 A 12 V DC)
Insulation resistance (new condition)	> 100 MOhm (500 V DC)
Proof tracking	250 PTI
Protection type	IP 40 and IP 51 (product-dependent)
Ambient temperature	terminal side -20 °C ... +100 °C actuating side -20 °C ... +55 °C
Flammability	UL 94 V-2 UL 94 V-0 (product-dependent)
Glow wire test temperature	850 °C
Material actuator housing terminals	PA PA silver plated
Plug force of the terminals	≤ 80 N
Approval marks	
Suitable for appliances of protection class II	



# SERIES 1881 - SINGLE-POLE ROUND ROCKER SWITCHES

T0 12 (4) A 250 V AC

 single-pole	Actuator color / printing	Housing color	12 (4) A 250 V AC 1E4	10 (4) A 250 V AC 1E4	8 (8) A 250 V AC 5E4	6 (4) A 250 V AC 5E4	15A 250 V AC 1 1/2 HP	15A 125 V AC 3/4 HP	10A 250 V AC 1/2 HP	10A 125 V AC 1/3 HP	Terminal type	Terminal description	Contact distance (mm)	Contact material	Actuator	Miscellaneous	Stock version
<b>ON / OFF switch (SPST)</b>																	
1881.1103		Black	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		4.8	≥ 3	Ag	IP 40		<input type="checkbox"/>
1881.1104		Black	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		4.8	≥ 3	Ag	IP 40		<input type="checkbox"/>
1881.1105		White	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		4.8	≥ 3	Ag	IP 40		<input type="checkbox"/>
1881.1106		Black	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		4.8	≥ 3	Ag	IP 40	<input type="checkbox"/>	
1881.1108		Black	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		4.8	≥ 3	Ag	IP 51	<input type="checkbox"/>	with swtiching system cover
1881.1109		Black	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		4.8	≥ 3	Ag	IP 40		
1881.1111		Black	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		4.8	≥ 3	Ag	IP 40		
1881.1112		White	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		1 mm longer 4.8	≥ 3	Ag	IP 51	<input type="checkbox"/>	with swtiching system cover
<b>Normally open contact (SPNO)</b>																	
1881.1209		Black										4.8	≥ 3	Ag	IP 51	<input type="checkbox"/>	with swtiching system cover opening terminal 1b closed
<b>Changeover switch (SPDT)</b>																	
1883.1105		Black	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		4.8	≥ 3	Ag	IP 40		
1883.1106		Black	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		4.8	≥ 3	Ag	IP 40	<input type="checkbox"/>	

ROCKERSWITCHES  
 PUSHBUTTON SWITCHES  
 TOGGLE SWITCHES  
 SLIDE SWITCHES  
 ROTARY SWITCHES  
 FOOT SWITCHES  
 TACT AND KEY SWITCHES  
 SNAP-ACTION SWITCHES  
 MICRO-SIGNAL SWITCHES  
 SENSORS  
 ECO  
 PUSH IN DRIVE



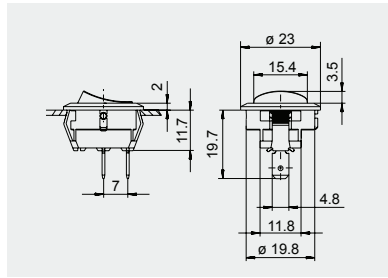


# SERIES 1881 - SINGLE-POLE ROUND ROCKER SWITCHES

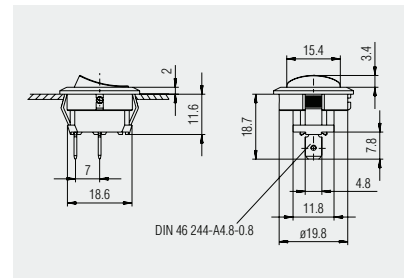
TO 12 (4) A 250 V AC



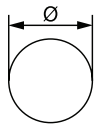
Basic type 1881



Quick-connect terminal 1 mm longer 4.8 x 0.8



Quick-connect terminal 4.8 x 0.8

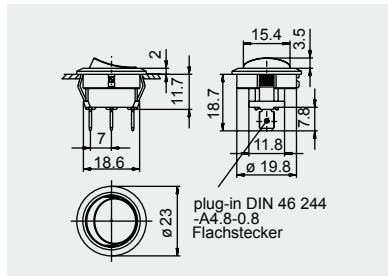


X = Wall thickness

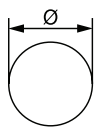
x	Ø
0.75 ... 1.25	20.3
1.25 ... 2	20.8
2 ... 3	21.1



Basic type 1883



Quick-connect terminal 4.8 x 0.8



X = Wall thickness

x	Ø
0.75 ... 1.25	21.2 <sup>+0.1</sup>
1.25 ... 2	21.4 <sup>+0.1</sup>
2 ... 3	21.8 <sup>+0.1</sup>

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

SENSORS

ECO

PUSH/DRIVE

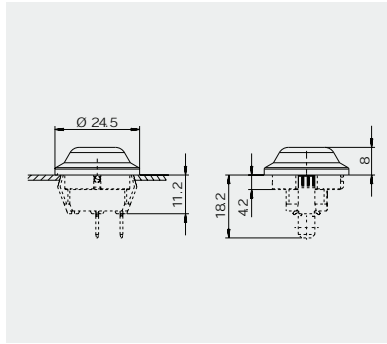


## SERIES 1881 - SINGLE-POLE ROUND ROCKER SWITCHES

T0 12 (4) A 250 V AC



Protection cap  
207.122.011



Transparent PVC - protection cap.  
Serves as dust and water protection  
of the actuation side.

Further information under

[WWW.MARQUARDT-SWITCHES.COM](http://WWW.MARQUARDT-SWITCHES.COM)

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

SENSORS

ECO

PUSH IN DRIVE



# SERIES 1855 - MINIATURE DOUBLE-POLE ROCKER SWITCHES

TO 4 (1) A 250 V AC






## PRODUCT FEATURES

- Illuminated rocker switches
- Different lamp variants
- Powerful with 50 000 mechanical switching cycles
- Caulked terminals for reliable plugging of the receptacles

## ON REQUEST




















- Other colors
- Other printing variants
- Other terminal types
- Other lamp variants
- Cable assembly

Mechanical life endurance	5E4
Contact resistance (new condition)	< 100 mOhm (1 A 12 V DC)
Insulation resistance (new condition)	> 100 MOhm (500 V DC)
Proof tracking	250 PTI
Protection type	IP 40
Ambient temperature	terminal side -20 °C ... +85 °C actuating side -20 °C ... +55 °C
Flammability	UL 94 V-2
Glow wire test temperature	850 °C
Material actuator housing terminals	PA PA silver plated
Plug force of the terminals	≤ 80 N
Approval marks	 /  / 
Suitable for appliances of protection class II	



# SERIES 1855 - MINIATURE DOUBLE-POLE ROCKER SWITCHES

TO 4 (1) A 250 V AC

 double-pole	Lighting voltage (V)	Actuator color / printing	Housing color	4 (1) A 250 V AC 1E4			Terminal type	Terminal description	Contact distance (mm)	Contact material	EN 60335 cap. 30 conform "G"	Stock version
					6 A 125 V AC 1/10 HP	4 A 250 V AC 1/10 HP						
ON / OFF switch (DPST)												
1855.0102	230			○	○	○			≥ 3	Ag		○
1855.0108	230			○	○	○			≥ 3	Ag		○
1855.1102	230			○	○	○		4.8	≥ 3	Ag		○
1855.1104	230			○	○	○		4.8	≥ 3	Ag		○
1855.1108	230			○	○	○		4.8	≥ 3	Ag		○
1855.1115	230			○	○	○		4.8	≥ 3	Ag	○	
1855.1118	230			○	○	○		4.8	≥ 3	Ag	○	
1855.1122	110				○			4.8	≥ 3	Ag		
1855.1124	110				○			4.8	≥ 3	Ag		

ROCKER SWITCHES  
 PUSHBUTTON SWITCHES  
 TOGGLE SWITCHES  
 SLIDE SWITCHES  
 ROTARY SWITCHES  
 FOOT SWITCHES  
 TACT AND KEY SWITCHES  
 SNAP-ACTION SWITCHES  
 MICRO-SIGNAL SWITCHES  
 SENSORS  
 ECO  
 PUSH IN DRIVE

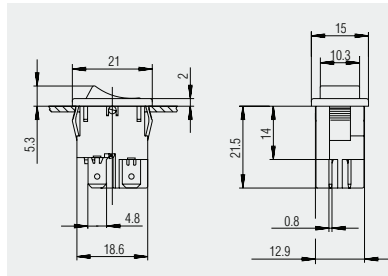


# SERIES 1855 - MINIATURE DOUBLE-POLE ROCKER SWITCHES

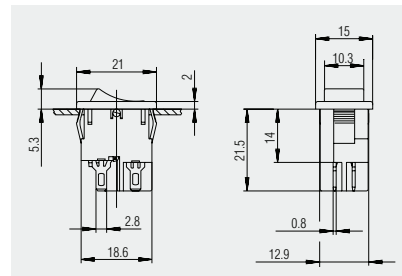
TO 4 (1) A 250 V AC



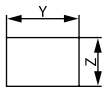
Basic type 1855



 Quick-connect terminal 4.8 x 0.8



 Solder terminal

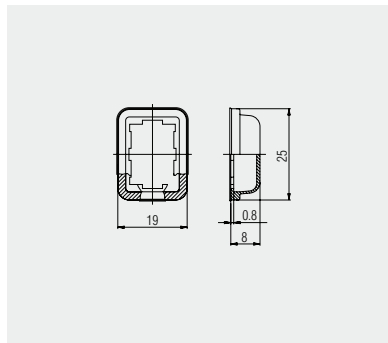


X = Wall thickness

x	y	z
0.75 ... 1.25	19.2 <sup>-0.1</sup>	12.9 <sup>+0.1</sup>
1.25 ... 2	19.4 <sup>-0.1</sup>	12.9 <sup>+0.1</sup>
2 ... 3	19.8 <sup>-0.1</sup>	12.9 <sup>+0.1</sup>



Protection cap  
203.089.011



Transparent PVC-protection cap.  
Serves as dust and water protection  
for the actuating side.



# SERIES 1858 - MINIATURE DOUBLE-POLE ROCKER SWITCHES

TO 10 (4) A 250 V AC 1E4






## PRODUCT FEATURES

- Non-illuminated rocker switch
- Powerful with inrush currents (capacitive) up to 100 A
- Immediately self-extinguishing due to UL 94 V-0 material
- Conformant acc. to EN 60065 par. 14.6

## ON REQUEST


- Other colors
- Other printing variants
- Single-pole assembled
- Cable assembly

Mechanical life endurance	10E4
Operating force	≤ 5 N
Inrush current (capacitive)	100 A
Contact resistance (new condition)	< 100 mOhm (1 A 12 V DC)
Insulation resistance (new condition)	> 100 MOhm (500 V DC)
Proof tracking	250 PTI
Protection type	IP 40
Ambient temperature	terminal side -20 °C ... +100 °C actuating side -20 °C ... +55 °C
Flammability	UL 94 V-0 UL 94 V-2 (in the versions in white)
Glow wire test temperature	850 °C
Material actuator housing terminals	PA PA silver plated
Plug force of the terminals	≤ 80 N
Approval marks	 /  / 
Suitable for appliances of protection class II	



# SERIES 1858 - MINIATURE DOUBLE-POLE ROCKER SWITCHES

TO 10 (4) A 250 V AC 1E4

 double-pole	Actuator color / printing	Housing color	10 (4) A 250 V AC 1E4	6 (4) A 250 V AC 5E4	12 A 250 V AC 1/2 HP	12 A 125 V AC 1/3 HP	Terminal type	Terminal description	Contact distance (mm)	Contact material	Contact material	Miscellaneous	Stock version
											EN 60335 cap. 30 conform "G"		
<b>ON / OFF switch (DPST)</b>													
1858.0103			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			≈ 3	Ag	<input type="checkbox"/>		
1858.0104			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			≈ 3	Ag	<input type="checkbox"/>		
1858.1102			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		4.8	≈ 3	Ag	<input type="checkbox"/>		<input type="checkbox"/>
1858.1103			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		4.8	≈ 3	Ag	<input type="checkbox"/>		<input type="checkbox"/>
1858.1104			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		4.8	≈ 3	Ag	<input type="checkbox"/>		
1858.1105			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		4.8	≈ 3	Ag		terminal spacing 10	
1858.2202			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			≈ 3	Ag	<input type="checkbox"/>		<input type="checkbox"/>
1858.2204			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			≈ 3	Ag	<input type="checkbox"/>		
1858.4202			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			≈ 3	Ag	<input type="checkbox"/>		<input type="checkbox"/>
1858.4205			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			≈ 3	Ag	<input type="checkbox"/>		<input type="checkbox"/>
1858.9202			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			≈ 3	Ag	<input type="checkbox"/>	single-pole occupied	

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

SENSORS

ECO

PUSH/DRIVE

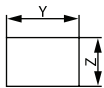


# SERIES 1858 - MINIATURE DOUBLE-POLE ROCKER SWITCHES

TO 10 (4) A 250 V AC 1E4

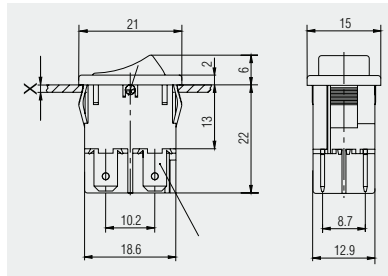


Basic type 1858  
double-pole

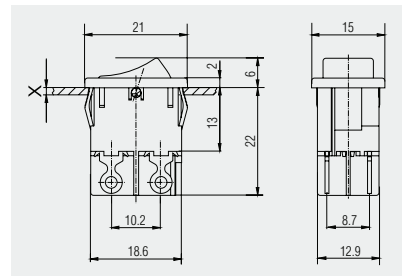


X = Wall thickness

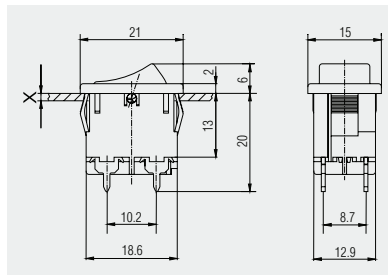
x	y	z
0.75 ... 1.25	19.2 <sup>-0.1</sup>	12.9 <sup>+0.1</sup>
1.25 ... 2	19.4 <sup>-0.1</sup>	12.9 <sup>+0.1</sup>
2 ... 3	19.8 <sup>-0.1</sup>	12.9 <sup>+0.1</sup>



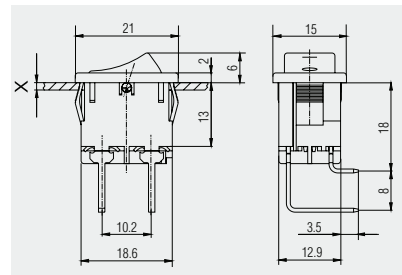
Quick-connect terminal 4.8 x 0.8



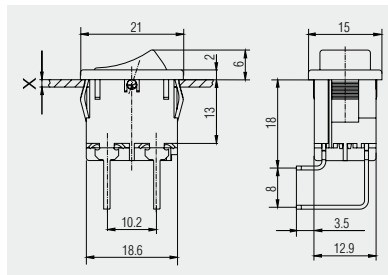
Solder terminal



PCB terminal



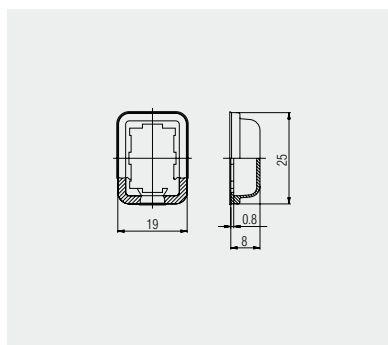
PCB terminal angled to  
terminal side 1



PCB terminal angled to  
terminal side 2



Protection cap  
203.089.011



Transparent PVC-protection cap.  
Serves as dust and water protection  
of the actuation side.





# SERIES 1941 - SINGLE-POLE ROCKER SWITCHES IP 50

TO 12 (8) A 250 V AC 1E4



## PRODUCT FEATURES

- Single-pole rocker switch
- High dust protection with IP 50
- 100 million times proven switching principle
- Appliance cut-out same as basic type 1801

## ON REQUEST

- Other colors
- Other printing variants
- Other terminal variants
- PVC - protection cap
- With approval mark

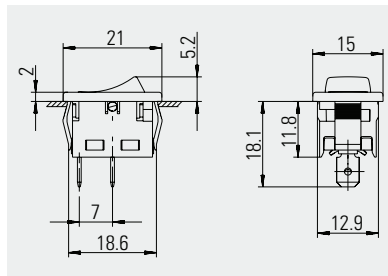
Mechanical life endurance	1E5 5E4 (normally open contact)
Contact resistance (new condition)	< 100 mOhm (1 A 12 V DC)
Insulation resistance (new condition)	> 100 MOhm (500 V DC)
Proof tracking	250 PTI
Protection type	IP 40
Ambient temperature	terminal side -20 °C ... +100 °C ... +125 °C (product-dependent) actuating side -20 °C ... +55 °C
Flammability	UL 94 V-2
Glow wire test temperature	850 °C
Material actuator housing	PA PA / PA glass fiber-reinforced
Plug force of the terminals	≤ 80 N
Suitable for appliances of protection class II	



# SERIES 1941 - SINGLE-POLE ROCKER SWITCHES IP 50

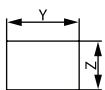
TO 12 (8) A 250 V AC 1E4

single-pole	Actuator color / printing				Terminal type	Terminal description	Contact distance (mm)	Contact material	Inrush current (capacitive) (A)	Miscellaneous	Stock version
<b>ON / OFF switch (SPST)</b>											
1941.1102		o	o			4.8	≥ 3	Ag	50	without approval mark	
1941.1103				o		4.8	≥ 3	Ag	50	O at On-position	
1941.1105				o		4.8	≥ 3	Ag	50		
<b>Normally open contact (SPNO)</b>											
1941.1203				o		4.8	≥ 3	Ag		O at On-position	



Basic type 1941 single-pole

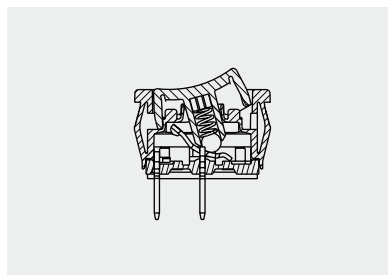
Quick-connect terminal 4.8 x 0.8



X = Wall thickness

x	y	z
0.75 ... 1.25	19.2 <sup>-0.1</sup>	12.9 <sup>+0.1</sup>
1.25 ... 2	19.4 <sup>-0.1</sup>	12.9 <sup>+0.1</sup>

Housing with internal meander and a hole underneath the snap-on mechanism for IP 50. Switching system is dust- and waterproof.



Sectional drawing

ROCKER SWITCHES  
PUSHBUTTON SWITCHES  
TOGGLE SWITCHES  
SLIDE SWITCHES  
ROTARY SWITCHES  
FOOT SWITCHES  
TACT AND KEY SWITCHES  
SNAP-ACTION SWITCHES  
MICRO-SIGNAL SWITCHES  
SENSORS  
ECO  
PUSH IN DRIVE



# SERIES 1550 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 16 (4) A 250 V AC



## PRODUCT FEATURES

- Inrush currents (capacitive) up to 100 A
- Two housing variants (with flange or lower lying)
- With mechanical forced opening
- Illuminated window with lens effect

## ON REQUEST



- Other colors
- Other rocker labelings
- Other lamp variants
- Conformity IEC 60065 chap. 14.6
- Special rockers
- Cable assembly

Mechanical life endurance	5E4
Inrush current (capacitive)	100 A
Contact distance	≥ 3 mm
Contact resistance (new condition)	< 100 mOhm (1 A 12 V DC)
Insulation resistance (new condition)	> 100 MOhm (500 V DC)
Proof tracking	250 PTI
Protection type	IP 40
Ambient temperature	terminal side -20 °C ... +100 °C actuating side -20 °C ... +55 °C
Flammability	UL 94 V-2 UL 94 V-0 (product-dependent)
Glow wire test temperature	850 °C
Material actuator housing	PA PA
Plug force of the terminals	≤ 80 N
Approval marks	
Suitable for appliances of protection class II	



# SERIES 1550 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 16 (4) A 250 V AC



 single-pole 	Lighting voltage (V)	Actuator color / printing	Housing color	7 A 250 V AC 5E4	16 (4) A 250 V AC 5E4	16 (4) A 250 V AC 1E4	10 (4) A 250 V AC 5E4	10 (4) A 250 V AC 25E3	10 A 12 V DC	20 mA 250 V AC 5E4	20 A 250 V AC 2 HP	20 A 125 V AC 1 HP	16 A 250 V AC 2 HP	16 A 125 V AC 1 HP	Terminal type	Terminal description	Contact material	EN 60335 cap. 30 conform "G"	Miscellaneous	Stock version
	ON / OFF switch (SPST)																			
1550.3102	230					○	○						○			6.3	Ag			
1550.3609	12								○							6.3	Ag		lower lying flange	
1551.3102						○	○						○	○		6.3	Ag	○		○
1551.3103						○	○						○	○		6.3	Ag			
1551.3106						○	○						○	○		6.3	Ag			
1551.2654									○								Au		approvals KEMA lower lying flange	
Normally closed contact (SPNC)																				
1581.1303					○								○	○		6.3	Ag	○	increased life endurance at a high electrical rating	
1551.1303						○	○						○	○		6.3	Ag			
Normally open contact (SPNO)																				
1551.3202						○	○						○	○		6.3	Ag			○
1551.3702						○	○						○	○		6.3	Ag		lower lying flange	

ROCKERSWITCHES  
 PUSHBUTTON SWITCHES  
 TOGGLE SWITCHES  
 SLIDE SWITCHES  
 ROTARY SWITCHES  
 FOOT SWITCHES  
 TACT AND KEY SWITCHES  
 SNAP-ACTION SWITCHES  
 MICRO-SIGNAL SWITCHES  
 SENSORS  
 ECO  
 PUSH IN DRIVE



# SERIES 1550 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

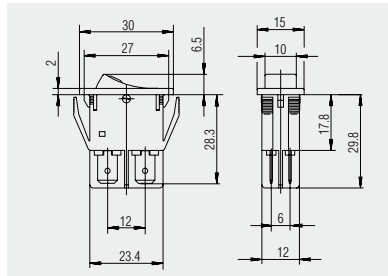
TO 16 (4) A 250 V AC

 double-pole 	Lighting voltage (V)	Actuator color / printing	Housing color											Terminal type	Terminal description	Contact material	Miscellaneous	Stock version			
				7 A 250 V AC 5E4	16 (4) A 250 V AC 5E4	16 (4) A 250 V AC 1E4	10 (4) A 250 V AC 5E4	10 (4) A 250 V AC 25E3	10 A 12 V DC	20 mA 250 V AC 5E4	20 A 250 V AC 2 HP	20 A 125 V AC 1 HP	16 A 250 V AC 2 HP	16 A 125 V AC 1 HP			EN 60335 cap. 30 conform "G"				
<b>ON / OFF switch (DPST)</b>																					
1555.3102	230					○	○					○	○	○			6.3	Ag	○		○
1555.3104	230					○	○							○			6.3	Ag			○
1555.3108	230					○	○							○			6.3	Ag			○
1555.3604	230					○	○							○			6.3	Ag		lower lying flange	
1555.4608	230					○	○							○				Ag		lower lying flange	
1555.8104	230					○	○							○			6.3	Ag		flange dimension 31.5 x 17 mm	
1555.3125	115					○	○					○	○	○			6.3	Ag	○		
1555.3109	110													○			6.3	Ag			
1555.3120	110													○			6.3	Ag			
1555.3111	12								○								6.3	Ag			
1552.0102						○	○							○	○			Ag			○
1552.2601						○	○							○	○			Ag		lower lying flange	
1552.2602						○	○							○	○			Ag	○	lower lying flange	○
1552.3102						○	○							○	○		6.3	Ag			○
1552.3104						○	○							○	○		6.3	Ag			
1552.3112						○	○							○	○		6.3	Ag	○	conformant with EN 60065 par. 14.6	○
1552.3117						○	○					○	○	○	○		6.3	Ag	○		
1552.3602						○	○							○	○		6.3	Ag		lower lying flange	○
1552.4602						○	○							○	○			Ag		lower lying flange	○
1552.4702						○	○							○	○			Ag		2 PCB holders lower lying flange	
1552.4802						○	○							○	○			Ag		lower lying flange	



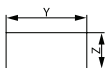
# SERIES 1550 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 16 (4) A 250 V AC



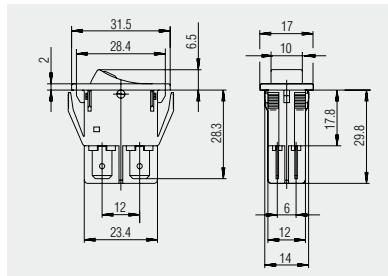
Basic types 1550 and 1555  
single and double-pole

Quick-connect terminal 6.3 x 0.8



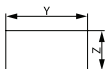
X = Wall thickness

x	y	z
0.8 ... 5.0	27.2 <sup>+0.1</sup>	12.2 <sup>+0.2</sup>



1555.8104  
double-pole

Quick-connect terminal 6.3 x 0.8  
cover frame 31.5 x 17 mm



X = Wall thickness

x	y	z
0.8 ... 5.0	28.6 <sup>+0.1</sup>	14 <sup>+0.2</sup>

ROCKER SWITCHES  
PUSHBUTTON SWITCHES  
TOGGLE SWITCHES  
SLIDE SWITCHES  
ROTARY SWITCHES  
FOOT SWITCHES  
TACT AND KEY SWITCHES  
SNAP-ACTION SWITCHES  
MICRO-SIGNAL SWITCHES  
SENSORS  
ECO  
PUSH IN DRIVE

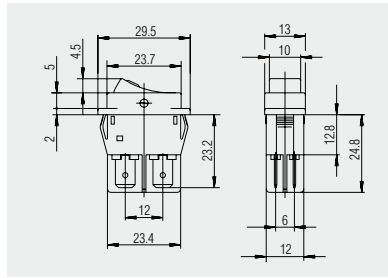


# SERIES 1550 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

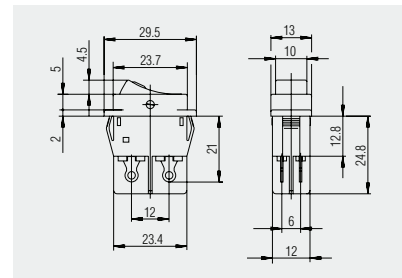
TO 16 (4) A 250 V AC



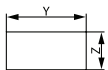
Basic types 1550 and 1555  
lower lying flange  
single and double-pole



Quick-connect terminal 6.3 x 0.8



Solder terminal

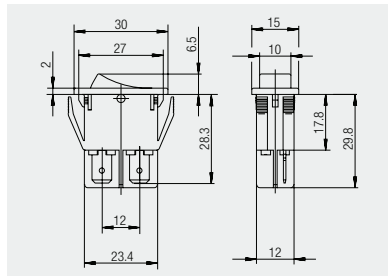


X = Wall thickness

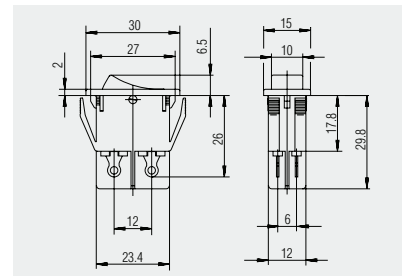
x	y	z
0.75 ... 1.25	26.2 <sup>-0.1</sup>	12.4 <sup>+0.1</sup>
2 ... 3	26.8 <sup>-0.1</sup>	12.4 <sup>+0.1</sup>
2 ... 3	26.8 <sup>-0.1</sup>	12.4 <sup>+0.1</sup>
1.25 ... 2	26.4 <sup>-0.1</sup>	12.4 <sup>+0.1</sup>



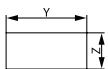
Basic type 1551 and 1552  
single and double-pole



Quick-connect terminal 6.3 x 0.8



Solder terminal



X = Wall thickness

x	y	z
0.8 ... 5.0	27.2 <sup>+0.1</sup>	12.2 <sup>+0.2</sup>

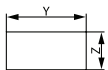


# SERIES 1550 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 16 (4) A 250 V AC

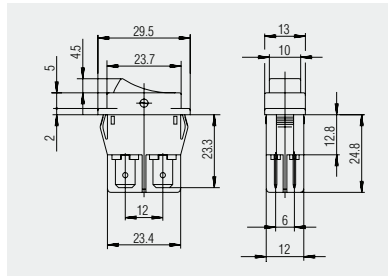


Basic types 1551 and 1552  
lower lying flange  
single and double-pole

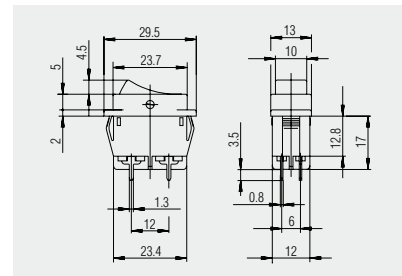


X = Wall thickness

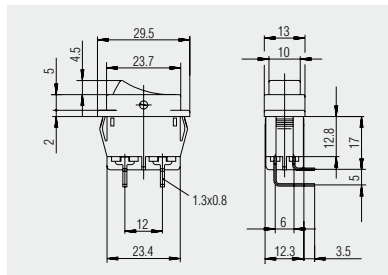
x	y	z
0.75 ... 1.25	26.2 <sup>-0.1</sup>	12.4 <sup>+0.1</sup>
1.25 ... 2	26.4 <sup>-0.1</sup>	12.4 <sup>+0.1</sup>
2 ... 3	26.8 <sup>-0.1</sup>	12.4 <sup>+0.1</sup>



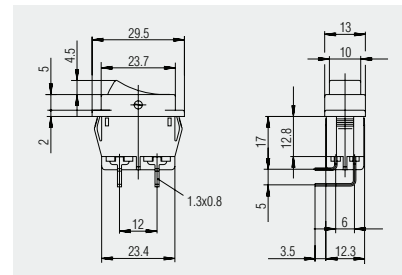
Quick-connect terminal 6.3 x 0.8



PCB terminal



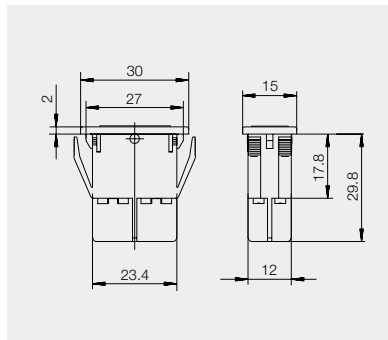
PCB terminal angled



PCB terminal angled mirror-inverted



Dummy piece  
203.103.013



Dummy piece for series 1550 made of PA

ROCKER SWITCHES  
PUSHBUTTON SWITCHES  
TOGGLE SWITCHES  
SLIDE SWITCHES  
ROTARY SWITCHES  
FOOT SWITCHES  
TACT AND KEY SWITCHES  
SNAP-ACTION SWITCHES  
MICRO-SIGNAL SWITCHES  
SENSORS  
ECO  
PUSH IN DRIVE





# SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC



## PRODUCT FEATURES

- 100 million times proven switching principle
- mechanical life endurance up to 1 million switching cycles
- Large variety
- Variants with IP 67 or dust protection insert
- Two housing variants
- Actuating characteristic
- Illuminated and non-illuminated variants
- Approval for 400 V (product-dependent)

## ON REQUEST



- Other colors
- Other rocker printings
- Other lamp variants
- Snap-on customized actuators
- Cable assembly

<b>Mechanical life endurance</b>	10E4 5E4 (basic type 1839) 1E6 (product-dependent)
<b>Inrush current (capacitive)</b>	120 A / 50 A (contact pair Ag / Cu and basic type 1834)
<b>Contact resistance (new condition)</b>	< 100 mOhm (1 A 12 V DC)
<b>Insulation resistance (new condition)</b>	> 100 MOhm (500 V DC)
<b>Proof tracking</b>	250 PTI
<b>Protection type</b>	IP 40 / IP 67 (product-dependent)
<b>Ambient temperature</b>	terminal side -20 °C ... +105 °C / ... +85 °C / ... +100 °C (product-dependent) actuating side -20 °C ... +55 °C
<b>Flammability</b>	UL 94 V-2 UL 94 V-0 (product-dependent)
<b>Glow wire test temperature</b>	850 °C
<b>Material</b>	actuator PA / PC (product-dependent) housing PA terminals silver plated / tinned (product-dependent)
<b>Plug force of the terminals</b>	≤ 80 N
<b>Approval marks</b>	
<b>Suitable for appliances of protection class II</b>	



# SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC


single-pole		ON / OFF switch (SPST)													
 		1830.3112	1830.3118	1830.0102	1831.0114	1831.3312	1831.3313	1831.3606	1831.3607	1831.3815	1831.3816	1831.3933	1831.8112	1831.3311	1831.1107
Lighting voltage (V)		230	230	230											
Actuator color / printing															
Housing color		Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
20 (4) A 250 V AC 1E4		○	○		○	○	○	○	○	○	○	○	○		
20 (4) A 250 V AC														○	
16 (4) A 250 V AC 1E4															
10 (8) A 400 V AC 5E4															
10 (8) A 250 V AC 5E4		○	○		○	○	○	○	○	○	○	○	○	○	
10 (4) A 250 V AC 1E4				○											○
10 A 12 V DC															○
6 (4) A 250 V AC 5E4				○											○
6 (4) A 250 V AC 1E4															
6 (4) A 250 V AC															
4 (2) A 250 V AC 1E4															
30 mA 12 V DC															
16 A 250 V AC 1 HP		○	○		○	○	○	○	○	○	○	○	○	○	
16 A 250 V AC 1/2 HP															
16 A 125 V AC 1/3 HP					○	○	○	○	○	○	○	○	○	○	
16 A 125 V AC 1/4 HP															
6 A 250 V AC 1/2 HP				○											○
6 A 125 V AC 1/4 HP															○
6 A 125 - 250 V AC 1/8 HP															
6 A 125 V AC 1/10 HP															
4 A 250 V AC 1/10 HP															
Terminal type															
Terminal description		6.3	6.3			6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	4.8
Contact distance (mm)		≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3
Contact material		Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag
EN 60335 cap. 30 conform "G"								○	○					○	
Miscellaneous								housing with 2 separating gates	housing with 2 separating gates	1E6 mechanical life endurance IP 67	1E6 mechanical life endurance IP 67		lower lying flange		
Stock version		○	○			○	○						○	○	○

ROCKER SWITCHES  
PUSHBUTTON SWITCHES  
TOGGLE SWITCHES  
SLIDE SWITCHES  
ROTARY SWITCHES  
FOOT SWITCHES  
TACT AND KEY SWITCHES  
SNAP-ACTION SWITCHES  
MICRO-SIGNAL SWITCHES  
SENSORS  
ECO  
PUSH IN DRIVE



# SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

<div style="text-align: center;">  <p>single-pole</p> </div>	Normally open switch (SPNO)				Changeover switch (SPDT)			Changeover switch with OFF position in the center (SPDT - Center OFF)					
	1831.1202	1831.3402	1831.8202	1831.1253	1833.3312	1833.1102	1833.3307	1838.0305	1838.3901	1838.1402	1838.1502	1838.1509	1838.1602
Lighting voltage (V)													
Actuator color / printing													
Housing color													
20 (4) A 250 V AC 1E4													
20 (4) A 250 V AC													
16 (4) A 250 V AC 1E4													
10 (8) A 400 V AC 5E4													
10 (8) A 250 V AC 5E4													
10 (4) A 250 V AC 1E4													
10 A 12 V DC													
6 (4) A 250 V AC 5E4													
6 (4) A 250 V AC 1E4													
6 (4) A 250 V AC													
4 (2) A 250 V AC 1E4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
30 mA 12 V DC				<input type="checkbox"/>									
16 A 250 V AC 1 HP								<input type="checkbox"/>	<input type="checkbox"/>				
16 A 250 V AC 1/2 HP								<input type="checkbox"/>	<input type="checkbox"/>				
16 A 125 V AC 1/3 HP								<input type="checkbox"/>	<input type="checkbox"/>				
16 A 125 V AC 1/4 HP								<input type="checkbox"/>	<input type="checkbox"/>				
6 A 250 V AC 1/2 HP								<input type="checkbox"/>	<input type="checkbox"/>				
6 A 125 V AC 1/4 HP								<input type="checkbox"/>	<input type="checkbox"/>				
6 A 125 - 250 V AC 1/8 HP									<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6 A 125 V AC 1/10 HP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
4 A 250 V AC 1/10 HP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
Terminal type													
Terminal description	4.8	6.3	6.3	4.8	6.3	4.8	6.3	6.3	6.3	4.8	4.8	4.8	4.8
Contact distance (mm)	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3
Contact material	Ag	Ag	Ag	Au	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag
EN 60335 cap. 30 conform "G"							<input type="checkbox"/>						
Miscellaneous			lower lying flange					momentary function both sides	1E6 mechanical life endurance IP 67	momentary function both sides			momentary function one side
Stock version	<input type="checkbox"/>	<input type="checkbox"/>					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SMAP-ACTION SWITCHES

MIKRO-SIGNALSCHALTER

SENSORS

ECO

PUSH/DRIVE



# SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC


single-pole		Changeover switch with OFF position in the center (SPDT - Center OFF)				Chargeover switch (SPDT momentary)		
		1838.4307	1838.8302	1838.3402	1838.3502	1835.3902	1833.1202	1833.3402
Lighting voltage (V)						230		
Actuator color / printing								
Housing color								
20 (4) A 250 V AC 1E4								
20 (4) A 250 V AC								
16 (4) A 250 V AC 1E4								
10 (8) A 400 V AC 5E4								
10 (8) A 250 V AC 5E4								
10 (4) A 250 V AC 1E4								
10 A 12 V DC								
6 (4) A 250 V AC 5E4								
6 (4) A 250 V AC 1E4		○	○					
6 (4) A 250 V AC				○	○			
4 (2) A 250 V AC 1E4						○	○	○
30 mA 12 V DC								
16 A 250 V AC 1 HP								
16 A 250 V AC 1/2 HP								
16 A 125 V AC 1/3 HP								
16 A 125 V AC 1/4 HP								
6 A 250 V AC 1/2 HP								
6 A 125 V AC 1/4 HP								
6 A 125 - 250 V AC 1/8 HP		○	○	○	○			
6 A 125 V AC 1/10 HP						○	○	○
4 A 250 V AC 1/10 HP						○	○	○
Terminal type								
Terminal description		2.8	6.3	6.3	6.3	6.3	4.8	6.3
Contact distance (mm)		≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3
Contact material		Ag	Ag	Ag	Ag	Ag	Ag	Ag
EN 60335 cap. 30 conform "G"								
Miscellaneous		momentary function one side	momentary function both sides lower lying flange	momentary function both sides		external lamp connection two-pole size		
Stock version				○	○			

ROCKER SWITCHES  
PUSHBUTTON SWITCHES  
TOGGLE SWITCHES  
SLIDE SWITCHES  
ROTARY SWITCHES  
FOOT SWITCHES  
TACT AND KEY SWITCHES  
SNAP-ACTION SWITCHES  
MICRO-SIGNAL SWITCHES  
SENSORS  
ECO  
PUSH IN DRIVE



# SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

 double-pole		ON / OFF switch (DPST)														
Lighting voltage (V)		1835.3419	1835.3111	1835.3112	1835.3114	1835.3118	1835.9413	1835.3102	1835.3105	1835.3108	1835.3116	1835.3107	1832.1612	1832.3311	1832.3312	1832.3313
Actuator color / printing																
Housing color																
20 (4) A 250 V AC 1E4		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
20 (4) A 250 V AC																
16 (4) A 250 V AC 1E4																
10 (8) A 400 V AC 5E4		<input type="radio"/>														
10 (8) A 250 V AC 5E4		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>				<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10 (4) A 250 V AC 1E4								<input type="radio"/>	<input type="radio"/>	<input type="radio"/>						
10 A 12 V DC												<input type="radio"/>				
6 (4) A 250 V AC 5E4								<input type="radio"/>	<input type="radio"/>	<input type="radio"/>						
6 (4) A 250 V AC 1E4																
6 (4) A 250 V AC																
4 (2) A 250 V AC 1E4																
30 mA 12 V DC																
16 A 250 V AC 1 HP		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>				<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
16 A 250 V AC 1/2 HP																
16 A 125 V AC 1/3 HP													<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
16 A 125 V AC 1/4 HP																
6 A 250 V AC 1/2 HP								<input type="radio"/>	<input type="radio"/>	<input type="radio"/>						
6 A 125 V AC 1/4 HP																
6 A 125 - 250 V AC 1/8 HP																
6 A 125 V AC 1/10 HP																
4 A 250 V AC 1/10 HP																
Terminal type																
Terminal description		6.3	6.3	6.3	6.3	6.3		6.3	6.3	6.3	6.3	6.3	4.8	6.3	6.3	6.3
Contact distance (mm)		≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3
Contact material		Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag
EN 60335 cap. 30 conform "G"																<input type="radio"/>
Miscellaneous		cover frame 33.2 long					PCB holder 248.103.011 mounted lower lying flange						cover frame 33.2 long			
Stock version				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



# SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

<p>double-pole</p>		ON / OFF switch (DPST)								Normally open contact (DPNO)		Changeover switch (DPDT)																			
Lighting voltage (V)	Actuator color / printing	Housing color	20 (4) A 250 V AC 1E4	20 (4) A 250 V AC	16 (4) A 250 V AC 1E4	10 (8) A 400 V AC 5E4	10 (8) A 250 V AC 5E4	10 (4) A 250 V AC 1E4	10 A 12 V DC	6 (4) A 250 V AC 5E4	6 (4) A 250 V AC 1E4	6 (4) A 250 V AC	4 (2) A 250 V AC 1E4	30 mA 12 V DC	16 A 250 V AC 1 HP	16 A 250 V AC 1/2 HP	16 A 125 V AC 1/3 HP	16 A 125 V AC 1/4 HP	6 A 250 V AC 1/2 HP	6 A 125 V AC 1/4 HP	6 A 125 - 250 V AC 1/8 HP	6 A 125 V AC 1/10 HP	4 A 250 V AC 1/10 HP	Terminal type	Terminal description	Contact distance (mm)	Contact material	EN 60335 cap. 30 conform "G"	Miscellaneous	Stock version	
			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>							<input type="radio"/>		<input type="radio"/>						<input type="radio"/>	<input type="radio"/>		6.3	≥ 3	Ag		cover frame 33.2 long	
			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>																		4.8	≥ 3	Ag		lower lying flange	
			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>																		6.3	≥ 3	Ag		lower lying flange	
			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>																		6.3	≥ 3	Ag		lower lying flange	
			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>																		6.3	≥ 3	Ag		lower lying flange	
			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>																		4.8	≥ 3	Ag		lower lying flange	<input type="radio"/>
			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>																		6.3	≥ 3	Ag		dust protection inlay	<input type="radio"/>
			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>																		6.3	≥ 3	Ag		lower lying flange	<input type="radio"/>
			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>					<input type="radio"/>													6.3	≥ 3	Ag			
			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>																		6.3	≥ 3	Ag			
			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>																		6.3	≥ 3	Ag			<input type="radio"/>

ROCKER SWITCHES  
 PUSHBUTTON SWITCHES  
 TOGGLE SWITCHES  
 SLIDE SWITCHES  
 ROTARY SWITCHES  
 FOOT SWITCHES  
 TACT AND KEY SWITCHES  
 SNAP-ACTION SWITCHES  
 MICRO-SIGNAL SWITCHES  
 SENSORS  
 ECO  
 PUSH IN DRIVE



# SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES


SNAP-ACTION SWITCHES

MIKRO-SIGNALSCHALTER

SENSORS

ECO

PUSH/DRIVE

 double-pole		Changeover switch (DPDT)					Changeover switch with OFF position in the center (DPDT - Center Off)									
Lighting voltage (V)		1834.1102	1834.3302	1834.3309	1834.3603	1834.6103	1839.3512	1839.1402	1839.1407	1839.1410	1839.1502	1839.1507	1839.1509	1839.1518	1839.1602	
Actuator color / printing																
Housing color																
20 (4) A 250 V AC 1E4																
20 (4) A 250 V AC																
16 (4) A 250 V AC 1E4							<input type="checkbox"/>									
10 (8) A 400 V AC 5E4																
10 (8) A 250 V AC 5E4																
10 (4) A 250 V AC 1E4		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
10 A 12 V DC																
6 (4) A 250 V AC 5E4		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
6 (4) A 250 V AC 1E4								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6 (4) A 250 V AC																
4 (2) A 250 V AC 1E4																
30 mA 12 V DC																
16 A 250 V AC 1 HP								<input type="checkbox"/>								
16 A 250 V AC 1/2 HP								<input type="checkbox"/>								
16 A 125 V AC 1/3 HP																
16 A 125 V AC 1/4 HP																
6 A 250 V AC 1/2 HP		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
6 A 125 V AC 1/4 HP		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>										
6 A 125 - 250 V AC 1/8 HP								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6 A 125 V AC 1/10 HP																
4 A 250 V AC 1/10 HP																
Terminal type																
Terminal description		4.8	6.3	6.3	6.3	4.8	6.3	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	
Contact distance (mm)		≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	
Contact material		Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	
EN 60335 cap. 30 conform "G"					<input type="checkbox"/>											
Miscellaneous					cover frame 33.2 long	lower lying flange		momentary function both sides	momentary function both sides	dust protection inlay momentary function both sides			dust protection inlay	momentary function one side		
Stock version		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>				



# SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

<p>double-pole</p>		Changeover switch with OFF position in the center (DPDT - Center OFF)							Changeover switch (DPDT momentary)	
Lighting voltage (V)		1839.3402	1839.3502	1839.3503	1839.3602	1839.7304	1839.3352	1839.0105		1834.3402
Actuator color / printing										
Housing color										
20 (4) A 250 V AC 1E4										
20 (4) A 250 V AC										
16 (4) A 250 V AC 1E4										
10 (8) A 400 V AC 5E4										
10 (8) A 250 V AC 5E4										
10 (4) A 250 V AC 1E4										
10 A 12 V DC										
6 (4) A 250 V AC 5E4										
6 (4) A 250 V AC 1E4		○	○	○	○	○				
6 (4) A 250 V AC										
4 (2) A 250 V AC 1E4									○	
30 mA 12 V DC							○			
16 A 250 V AC 1 HP										
16 A 250 V AC 1/2 HP										
16 A 125 V AC 1/3 HP										
16 A 125 V AC 1/4 HP										
6 A 250 V AC 1/2 HP										
6 A 125 V AC 1/4 HP										
6 A 125 - 250 V AC 1/8 HP		○	○	○	○	○				
6 A 125 V AC 1/10 HP									○	
4 A 250 V AC 1/10 HP									○	
Terminal type										
Terminal description		6.3	6.3	6.3	6.3		6.3			6.3
Contact distance (mm)		≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3		≥ 3
Contact material		Ag	Ag	Ag	Ag	Ag	Au	Ag		Ag
EN 60335 cap. 30 conform "G"										
Miscellaneous		momentary function both sides			momentary function one side	dust protection inlay momentary function one side lower lying flange	cover frame 33.2 long momentary function both sides	dust protection inlay		
Stock version		○	○							○

















- ROCKER SWITCHES
- PUSHBUTTON SWITCHES
- TWIST SWITCHES
- TOGGLE SWITCHES
- SLIDE SWITCHES
- ROTARY SWITCHES
- FOOT SWITCHES
- TACT AND KEY SWITCHES
- SNAP-ACTION SWITCHES
- MICRO-SIGNAL SWITCHES
- SENSORS
- ECO
- PUSH IN DRIVE





# SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

	Lamp			
	1837.1118	1837.3102	1837.8102	1837.8108
<b>Lamp</b>				
<b>Lighting voltage (V)</b>	230	230	230	230
<b>Actuator color / printing</b>				
<b>Housing color</b>				
<b>20 (4) A 250 V AC 1E4</b>				
<b>20 (4) A 250 V AC</b>				
<b>16 (4) A 250 V AC 1E4</b>				
<b>10 (8) A 400 V AC 5E4</b>				
<b>10 (8) A 250 V AC 5E4</b>				
<b>10 (4) A 250 V AC 1E4</b>				
<b>10 A 12 V DC</b>				
<b>6 (4) A 250 V AC 5E4</b>				
<b>6 (4) A 250 V AC 1E4</b>				
<b>6 (4) A 250 V AC</b>				
<b>4 (2) A 250 V AC 1E4</b>				
<b>30 mA 12 V DC</b>				
<b>16 A 250 V AC 1 HP</b>				
<b>16 A 250 V AC 1/2 HP</b>				
<b>16 A 125 V AC 1/3 HP</b>				
<b>16 A 125 V AC 1/4 HP</b>				
<b>6 A 250 V AC 1/2 HP</b>				
<b>6 A 125 V AC 1/4 HP</b>				
<b>6 A 125 - 250 V AC 1/8 HP</b>				
<b>6 A 125 V AC 1/10 HP</b>				
<b>4 A 250 V AC 1/10 HP</b>				
<b>Terminal type</b>				
<b>Terminal description</b>	4.8	6.3	6.3	6.3
<b>Contact distance (mm)</b>				
<b>Contact material</b>				
<b>EN 60335 cap. 30 conform "G"</b>				
<b>Miscellaneous</b>			size basic type 1835	size basic type 1835
<b>Stock version</b>				

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SWAP-ACTION SWITCHES

MIKRO-SIGNALSCHALTER

SENSORS

ECO

PUSH'DRIVE

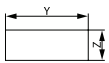


# SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

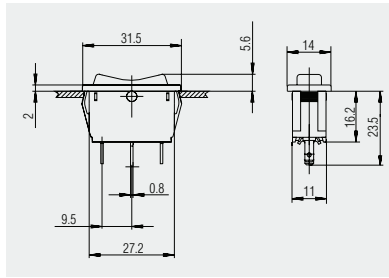


Basic types 1830, 1831, 1833 and 1838  
single-pole  
illuminated / non-illuminated

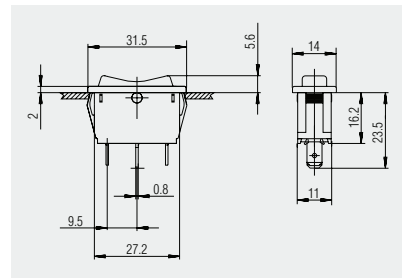


X = Wall thickness

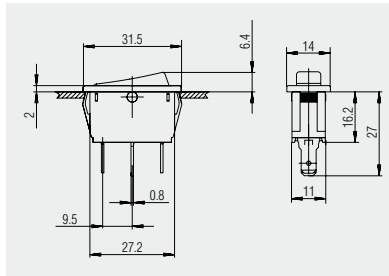
x	y	z
0.75 ... 1.25	30 <sup>-0.1</sup>	11 <sup>+0.1</sup>
1.25 ... 2	30.2 <sup>-0.1</sup>	11 <sup>+0.1</sup>
2 ... 3	30.6 <sup>-0.1</sup>	11 <sup>+0.1</sup>



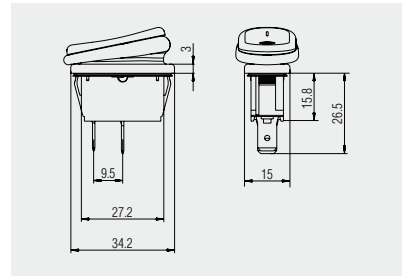
Quick-connect terminal 2.8 x 0.8  
1838.4307



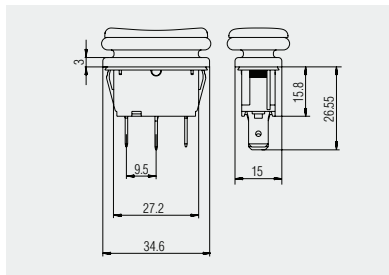
Quick-connect terminal 4.8 x 0.8  
basic type 1838



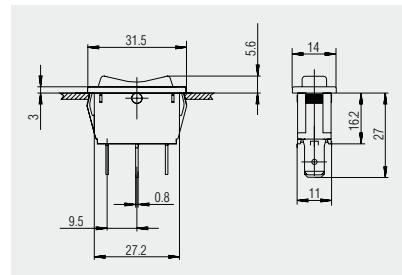
Quick-connect terminal 4.8 x 0.8  
basic types 1830, 1831 and  
1833



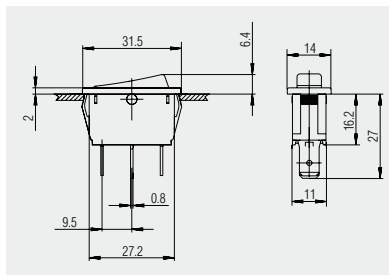
Quick-connect terminal 6.3 x 0.8  
1831.3815



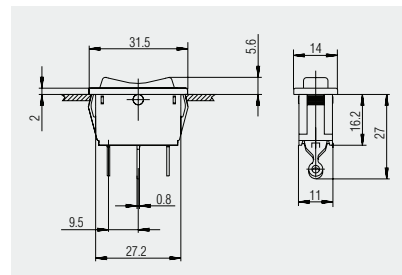
Quick-connect terminal 6.3 x 0.8  
1838.3901



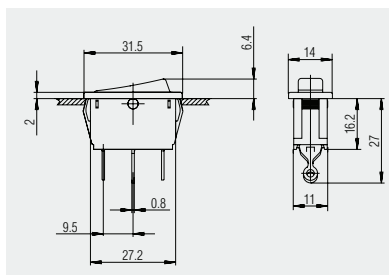
Quick-connect terminal 6.3 x 0.8  
basic type 1838



Quick-connect terminal 6.3 x 0.8  
basic types 1831 and 1833



Solder terminal  
basic type 1838



Solder terminal  
basic types 1830 and 1831

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SMAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

SENSORS

ECO

PUSH IN DRIVE

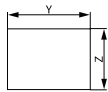


# SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

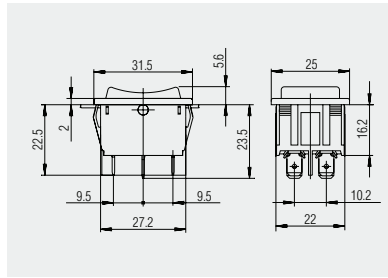


Basic types 1832, 1834,  
1835 and 1839  
double-pole  
illuminated / non-illuminated

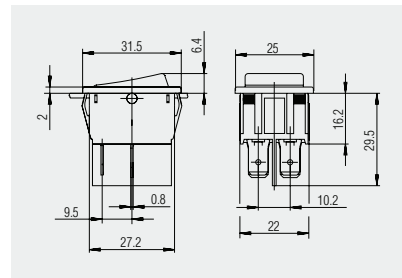


X = Wall thickness

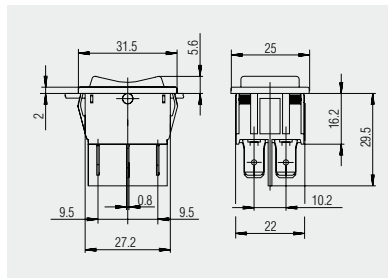
x	y	z
0.75 ... 1.25	30 <sup>-0.1</sup>	22 <sup>+0.2</sup>
1.25 ... 2	30.2 <sup>-0.1</sup>	22 <sup>+0.2</sup>
2 ... 3	30.6 <sup>-0.1</sup>	22 <sup>+0.2</sup>



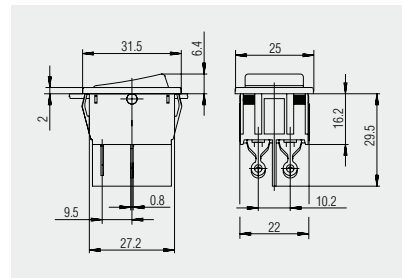
Quick-connect terminal 4.8 x 0.8



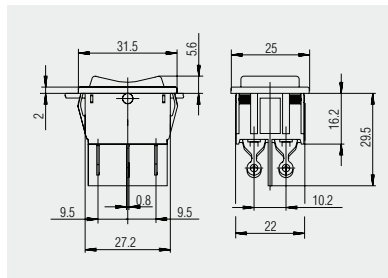
Quick-connect terminal 6.3 x 0.8 / 4.8  
basic types 1832, 1834 and 1835



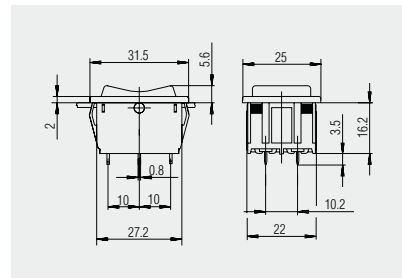
Quick-connect terminal 6.3 x 0.8  
basic type 1839



Solder terminal  
basic type 1832



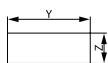
Solder terminal  
basic type 1839



PCB terminal  
basic type 1839

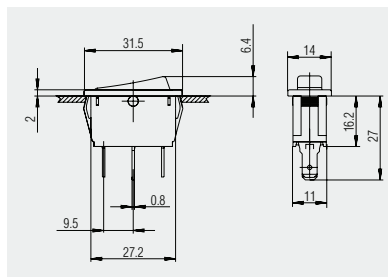


Basic types 1830, 1831 and 1833  
single-pole, lower lying flange  
illuminated / non-illuminated



X = Wall thickness

x	y	z
0.75 ... 1.25	30 <sup>-0.1</sup>	11 <sup>+0.1</sup>
1.25 ... 2	30.2 <sup>-0.1</sup>	11 <sup>+0.1</sup>
2 ... 3	30.6 <sup>-0.1</sup>	11 <sup>+0.1</sup>



Quick-connect terminal 4.8 x 0.8  
basic types 1830, 1831 and 1833

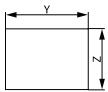


# SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

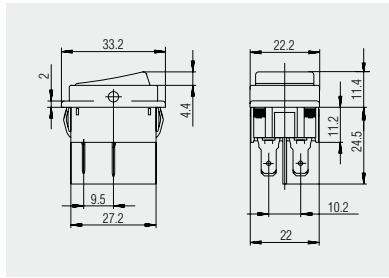


Basic types 1832, 1834,  
1835 and 1839  
double-pole, lower lying flange  
illuminated / non-illuminated

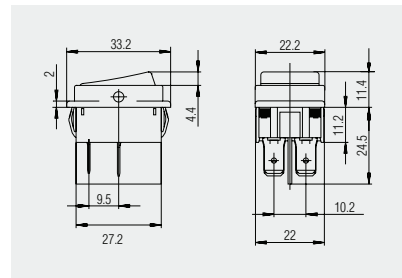


X = Wall thickness

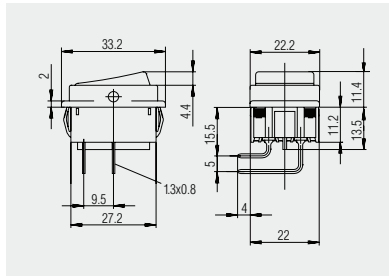
x	y	z
0.75 ... 1.25	30 <sup>-0.1</sup>	22 <sup>+0.2</sup>
1.25 ... 2	30.2 <sup>-0.1</sup>	22 <sup>+0.2</sup>
2 ... 3	30.6 <sup>-0.1</sup>	22 <sup>+0.2</sup>



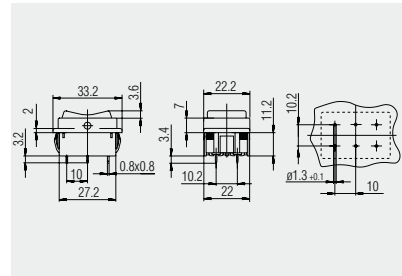
Quick-connect terminal 4.8 x 0.8  
basic types 1832 and 1834



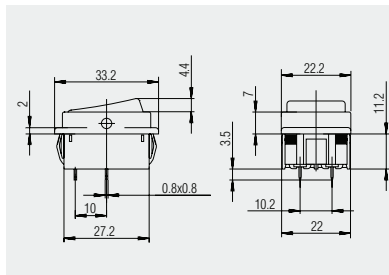
Quick-connect terminal 6.3 x 0.8  
basic type 1832



PCB terminal  
angled  
basic types 1832 and 1835



PCB terminal  
basic type 1839



PCB terminal  
basic types 1832 and 1835

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

SENSORS

ECO

PUSH IN DRIVE



# SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

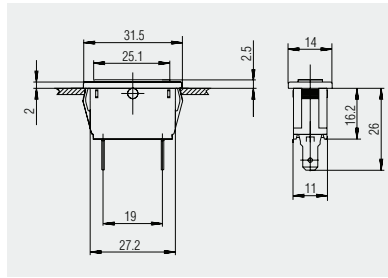
SENSORS

ECO

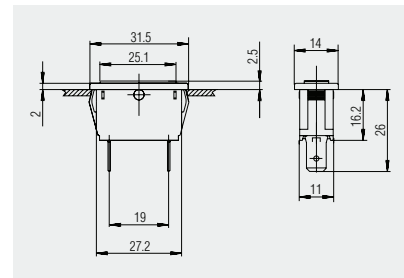
PUSH'N'DRIVE



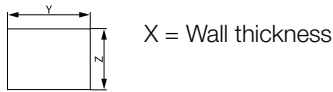
Basic type 1837 lamp single and double-pole



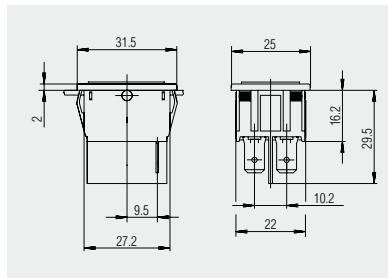
Quick-connect terminal 4.8 x 0.8 single-pole size



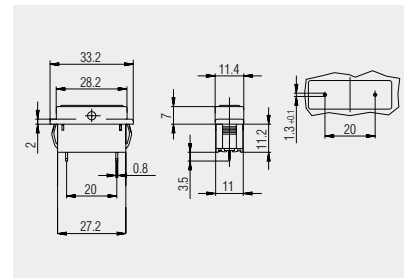
Quick-connect terminal 6.3 x 0.8 single-pole size



x	y	z
0.75 ... 1.25	30 <sup>-0.1</sup>	22 <sup>+0.1</sup>
1.25 ... 2	30.2 <sup>-0.1</sup>	22 <sup>+0.1</sup>
2 ... 3	30.6 <sup>-0.1</sup>	22 <sup>+0.1</sup>



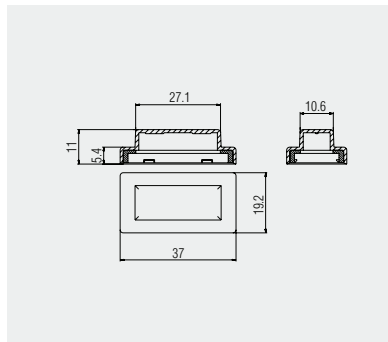
Quick-connect terminal 6.3 x 0.8 double-pole size



PCB terminal lower lying flange 1837.2504



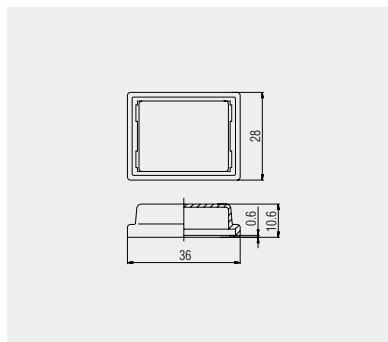
Protection cap 203.731.011



Transparent PVC-protection cap for single-pole switches of basic types 1830, 1831, 1833 and 1838. Serves as dust and water protection of the actuation side.



Protection cap 203.201.011



Transparent PVC-protection cap for double-pole switches of basic types 1832, 1834, 1835 and 1839 with frame length 33.2 mm. Serves as dust and water protection of the actuation side.

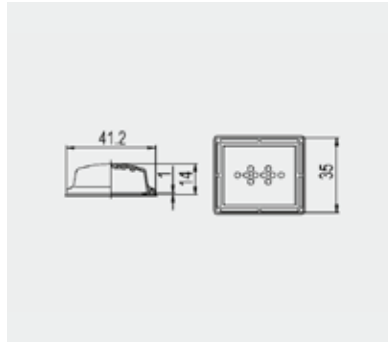


## SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC



Protection cap  
203.078.011



Transparent PVC-protection cap with burling. Serves as dust and water protection of the actuation side for double-pole basic types 1832, 1834, 1835 and 1839 with standard flange length 30 mm.



Dummy cap  
203.145.051



Housing  
217.132.031

Housing and dummy cap for double-pole size of basic types 1830, 1831, 1833, 1837 and 1838 made of PA black.

Housing and dummy cap must be assembled by the customer and make only sense in combination



Dummy cap  
203.146.051



Housing  
217.127.491

Housing and dummy cap for double-pole size of basic types 1832, 1834, 1835 and 1839 made of PA black.

Housing and dummy cap must be assembled by the customer and make only sense in combination



Block connector  
217.954.011

Block connector for cable connection for the double-pole versions of the rocker switch series 1830 und 1930.

Used with the standard timer plug AMP 0-927 936-1



# SERIES 1930 - DOUBLE-POLE ROCKER SWITCHES IP 65

TO 20 (4) A 250 V AC



## PRODUCT FEATURES

- Illuminated and non-illuminated variants with various switching functions
- IP 65 with integrated gasket for high dust and water protection
- Inrush current (capacitive) up to 120 A
- Approval for 400 V
- 100 million times proven switching principle
- Modern rocker design
- High, flexible variety

## ON REQUEST

- Other switching functions (e.g. Changeover switch)
- Other terminal types
- Other colors
- Other printing variants
- Other lamp variants
- Cable assembly

Mechanical life endurance	5E4
Operating force	3 - 8 N
Inrush current (capacitive)	120 A 100 A (basic type 1939) 50 A (basic type 1934)
Contact resistance (new condition)	< 100 mOhm (1 A 12 V DC)
Insulation resistance (new condition)	> 100 MOhm (500 V DC)
Proof tracking	250 PTI
Protection type	IP 40 (terminal side), IP 65 (actuating side)
Ambient temperature	terminal side -30 °C ... +105 °C actuating side -30 °C ... +55 °C
Flammability	UL 94 V-2 UL 94 V-0 (housing and socket only)
Glow wire test temperature	850 °C
Material actuator housing terminals	PC / TPU (bellows) PA silver plated
Plug force of the terminals	≤ 80 N
Approval marks	
Suitable for appliances of protection class II	



# SERIES 1930 - DOUBLE-POLE ROCKER SWITCHES IP 65

TO 20 (4) A 250 V AC

<div style="text-align: center;"> <p>double-pole</p> </div>		ON / OFF switch (DPST)														
Lighting voltage (V)		1935.3135	1935.3137	1935.3112	1935.3113	1935.3114	1935.3118	1935.3119	1935.3129	1935.3134	1935.3128	1935.3131	1935.3138	1932.1113	1932.3112	1932.3113
Actuator color / printing																
Housing color		Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
20 (4) A 250 V AC 1E4		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12 (4) A 250 V AC 1E4																
10 (8) A 400 V AC 5E4		<input type="radio"/>	<input type="radio"/>													
10 (8) A 250 V AC 5E4		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10 A 12 V DC													<input type="radio"/>			
6 (4) A 250 V AC 5E4																
16 A 250 V AC 1 HP		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
16 A 125 V AC 3/4 HP		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
16 A 125 V AC 1/3 HP												<input type="radio"/>				
14 A 250 V AC 3/4 HP																
14 A 250 V AC 1/2 HP																
14 A 125 V AC 1/3 HP																
14 A 125 V AC 1/4 HP																
12 A 250 V AC 1 HP																
12 A 125 V AC 1/2 HP																
Terminal type																
Terminal description		6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	4.8	6.3	6.3
Contact distance (mm)		Ag ≥ 3	Ag ≥ 3	Ag ≥ 3	Ag ≥ 3	Ag ≥ 3	Ag ≥ 3	Ag ≥ 3	Ag ≥ 3	Ag ≥ 3	Ag ≥ 3	Ag ≥ 3	Ag ≥ 3	Ag ≥ 3	Ag ≥ 3	Ag ≥ 3
Contact material		Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag
EN 60335 cap. 30 conform "G"																
Miscellaneous								bellows anthracite								
Stock version				<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>								<input checked="" type="radio"/>	


ROCKERSWITCHES  
 PUSHBUTTON SWITCHES  
 TOGGLE SWITCHES  
 SLIDE SWITCHES  
 ROTARY SWITCHES  
 FOOT SWITCHES  
 TACT AND KEY SWITCHES  
 SMP-ACTION SWITCHES  
 MICRO-SIGNAL SWITCHES  
 SENSORS  
 ECO  
 PUSH IN DRIVE





# SERIES 1930 - DOUBLE-POLE ROCKER SWITCHES IP 65

TO 20 (4) A 250 V AC

 double-pole		ON / OFF switch (DPST)								Normally closed contact (DPNC)		Normally open contact (DPNO)												
Lighting voltage (V)	Actuator color / printing	Housing color	20 (4) A 250 V AC 1E4	12 (4) A 250 V AC 1E4	10 (8) A 400 V AC 5E4	10 (8) A 250 V AC 5E4	10 A 12 V DC	6 (4) A 250 V AC 5E4	16 A 250 V AC 1 HP	16 A 125 V AC 3/4 HP	16 A 125 V AC 1/3 HP	14 A 250 V AC 3/4 HP	14 A 250 V AC 1/2 HP	14 A 125 V AC 1/3 HP	14 A 125 V AC 1/4 HP	12 A 250 V AC 1 HP	12 A 125 V AC 1/2 HP	Terminal type	Terminal description	Contact distance (mm)	Contact material	EN 60335 cap. 30 conform "G"	Miscellaneous	Stock version
			○	○	○	○	○	○	○	○	○							⏏	6.3	≥ 3	Ag			
			○	○	○	○	○	○	○	○	○							⏏	6.3	≥ 3	Ag			
			○	○	○	○	○	○	○	○	○							⏏	6.3	≥ 3	Ag			
			○	○	○	○	○	○	○	○	○							⏏	6.3	≥ 3	Ag	○		
			○	○	○	○	○	○	○	○	○							⏏	6.3	≥ 3	Ag	○	belows white	
			○	○	○	○	○	○	○	○	○							⏏	6.3	≥ 3	Ag	○	belows red	
			○	○	○	○	○	○	○	○	○							⏏	6.3	≥ 3	Ag	○	single-pole occupied	
																		⏏	6.3	≥ 3	Ag			
																		⏏	6.3	≥ 3	Ag			
																		⏏	6.3	≥ 3	Ag	○	250	
																		⏏	6.3	≥ 3	Ag	○		
																		⏏	6.3	≥ 3	Ag	○		

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MIKRO-SIGNALSCHALTER

SENSORS


ECO

PUSH/DRIVE



# SERIES 1930 - DOUBLE-POLE ROCKER SWITCHES IP 65

TO 20 (4) A 250 V AC

 double-pole		Changeover switch (DPDT)			Changeover switch with OFF position in the center (DPDT - Center OFF)													
Lighting voltage (V)		1934.3112	1934.3114	1934.2114	1939.3119	1939.3125	1939.3312	1939.3314	1939.3318	1939.0454								
Actuator color / printing																		
Housing color																		
20 (4) A 250 V AC 1E4																		
12 (4) A 250 V AC 1E4																		
10 (8) A 400 V AC 5E4																		
10 (8) A 250 V AC 5E4		<input type="checkbox"/>	<input type="checkbox"/>															
10 A 12 V DC																		
6 (4) A 250 V AC 5E4				<input type="checkbox"/>														
16 A 250 V AC 1 HP																		
16 A 125 V AC 3/4 HP																		
16 A 125 V AC 1/3 HP																		
14 A 250 V AC 3/4 HP					<input type="checkbox"/>													
14 A 250 V AC 1/2 HP					<input type="checkbox"/>													
14 A 125 V AC 1/3 HP					<input type="checkbox"/>													
14 A 125 V AC 1/4 HP					<input type="checkbox"/>													
12 A 250 V AC 1 HP		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>														
12 A 125 V AC 1/2 HP		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>														
Terminal type																		
Terminal description		6.3	6.3		6.3	6.3	6.3	6.3	6.3	6.3								
Contact distance (mm)		Ag ≥ 3	Ag ≥ 3	Ag ≥ 3	Ag ≥ 3	Ag ≥ 3	Ag < 3	Ag < 3	Ag < 3	Au < 3								
Contact material		Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Au								
EN 60335 cap. 30 conform "G"																		
Miscellaneous							momentary function both sides	momentary function both sides	momentary function both sides	single-pole occupied momentary function both sides								
Stock version		<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>									

- ROCKER SWITCHES
- PUSHBUTTON SWITCHES
- TOGGLE SWITCHES
- SLIDE SWITCHES
- ROTARY SWITCHES
- FOOT SWITCHES
- TACT AND KEY SWITCHES
- SNAP-ACTION SWITCHES
- MICRO-SIGNAL SWITCHES
- SENSORS
- ECO
- PUSH IN DRIVE

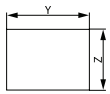


# SERIES 1930 - DOUBLE-POLE ROCKER SWITCHES IP 65

TO 20 (4) A 250 V AC

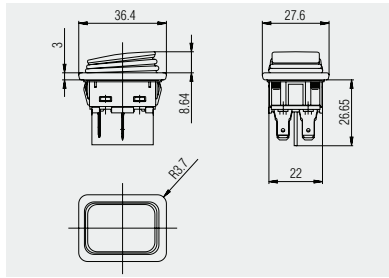


Basic types 1932, 1934, 1935 and 1939 double-pole

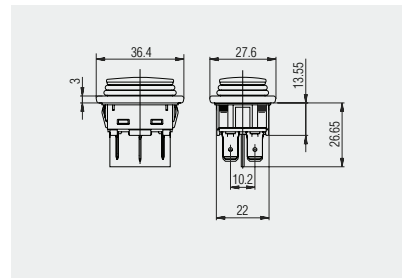


X = Wall thickness

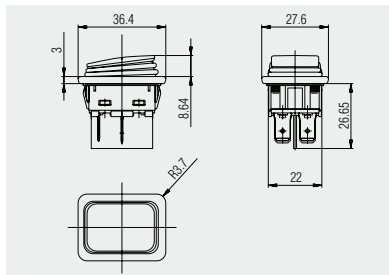
x	y	z
0.75 ... 1.25	30 <sup>-0.1</sup>	22 <sup>+0.2</sup>
1.25 ... 3	30.2 <sup>-0.1</sup>	22 <sup>+0.2</sup>



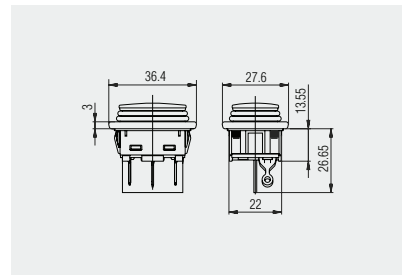
Quick-connect terminal 4.8 x 0.8 basic type 1932



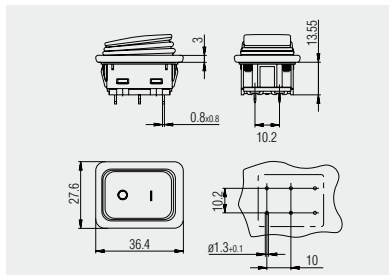
Quick-connect terminal 6.3 x 0.8 basic type 1939



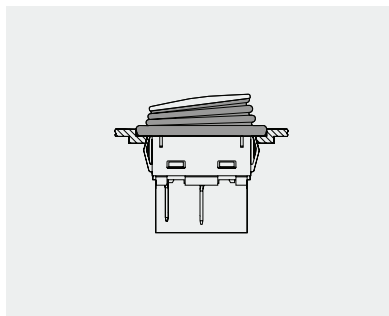
Quick-connect terminal 6.3 x 0.8 basic types 1932, 1934 and 1935



Solder terminal basic type 1939



PCB terminal basic type 1934



Sunken installation recommended for IP 65

A correct assembly and examination on tightness according to IP 65 in the equipment must be ensured by the customer.



Block connector 217.954.011

Block connector for cable connection for the double-pole versions of the rocker switch series 1830 und 1930.

Used with the standard timer plug AMP 0-927 936-1



# SERIES 1656 - SINGLE-POLE ROCKER SWITCHES

TO 10 A 250 V AC



## PRODUCT FEATURES

- Powerful, illuminated rocker switch with plate spring switching system
- Silk matt printable surface
- Can be mounted from rear (alternatively with frame)
- Switching system sealed from rocker to protect against overflowing water (VDE 700 part 15)
- Snap fastening for wall thicknesses > 2 mm

## ON REQUEST

- Other actuator forms (e.g. oval)
- As a double switch
- Other colors
- Other printing variants
- Other terminal types
- Other lamp variants
- Variant without illumination
- Cable assembly

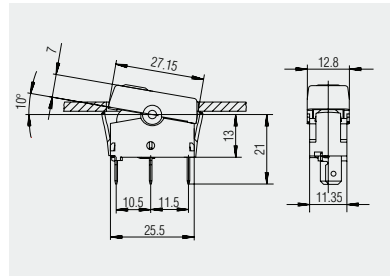
Mechanical life endurance	2E4
Contact resistance (new condition)	< 100 mOhm (1 A 12 V DC)
Insulation resistance (new condition)	> 100 MOhm (500 V DC)
Proof tracking	250 PTI
Ambient temperature	terminal side -20 °C ... +100 °C actuating side -20 °C ... +55 °C
Flammability	UL 94 V-2
Glow wire test temperature	850 °C
Material actuator	PA
housing	PA
terminals	Cu and CuZn bare (bearing terminal silver plated)
Plug force of the terminals	≤ 80 N
Approval marks	
Suitable for appliances of protection class II	



# SERIES 1656 - SINGLE-POLE ROCKER SWITCHES

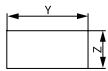
TO 10 A 250 V AC

single-pole	Lighting voltage (V)	Actuator color / printing	10 A 250 V AC 1E4	10 A 250 V AC 1/2 HP	10 A 125 V AC 1/3 HP	Terminal type	Terminal description	Contact distance (mm)	Contact material	Miscellaneous	Stock version
ON / OFF switch (SPST)											
1656.1703	230						4.8	≥ 3	Ag		
1656.1723	90						4.8	≥ 3	Ag	glow lamp with ignition voltage < 90 V	



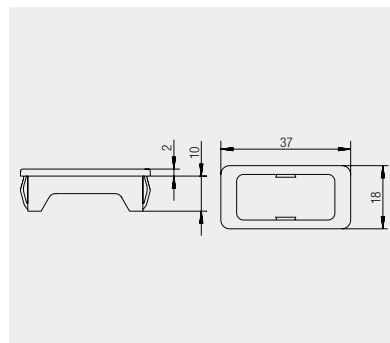
Basic type 1656

Quick-connect terminal 4.8 x 0.8



X = Wall thickness

x	y	z
> 2	28 <sup>+0.1</sup>	13 <sup>+0.1</sup>



Mounting frame made of polyamide

Mounting frame

217.313.011 - black

217.313.041 - anthracite metallic



# SERIES 3230 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 10 (5) A 12 AND 24 V DC



## PRODUCT FEATURES

- Attractive rocker switch (rocker separate)
- Million times proven, friction snap-action contact system
- Powerful with 100 000 switching cycles electrically and mechanically for DC voltage applications
- Indicator lamp identical
- Dust and water protected
- High variety
- With or without function illumination (LED)
- Installation from the front directly or with assembly frame
- Block connector support

## ON REQUEST








- Other colors
- Other rocker symbols (laser etched)
- Other switching functions
- Other lamp variants
- With assembled rocker

<b>Mechanical life endurance</b>	10E4
<b>Ambient temperature</b>	-40 °C ... +85 °C
<b>Material</b> actuator housing terminals	PA glass fiber-reinforced PA silver plated
<b>Miscellaneous</b>	illumination with mounted rocker: day design = light gray / night design = pea green





# SERIES 3230 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 10 (5) A 12 AND 24 V DC

 single-pole (rocker separate)	Lighting voltage (V)	Housing color	10 (5) A 24 V DC 1E5	10 (5) A 12 V DC 1E5	Terminal type	Terminal description	Miscellaneous	Stock version
<b>Normally open contact latching 1-step (SPST)</b>								
3230.0102	24		○			3.0 x 0.8	with search lighting LED green circuit symbol: 3.01	
3230.0202	24		○			3.0 x 0.8	with function indicator LED red with search lighting LED green circuit symbol: 3.03	
3230.0101	12			○		3.0 x 0.8	with search lighting LED green circuit symbol: 3.01	
3230.0201	12			○		3.0 x 0.8	with function indicator LED red with search lighting LED green circuit symbol: 3.03	
<b>Normally open contact momentary 1-step (SPNO)</b>								
3230.0302	24		○			3.0 x 0.8	with search lighting LED green circuit symbol: 3.02	
3230.0301	12			○		3.0 x 0.8	with search lighting LED green circuit symbol: 3.02	

 double-pole (rocker separate)	Lighting voltage (V)	Housing color	10 (5) A 24 V DC 1E5	10 (5) A 12 V DC 1E5	Terminal type	Terminal description	Miscellaneous	Stock version
<b>Changeover switch latching 1-step (DPDT)</b>								
3230.1902	12		○			3.0 x 0.8	with search lighting LED green circuit symbol: 3.09	

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

SENSORS








ECO






PUSH/ROTARY



# SERIES 3230 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 10 (5) A 12 AND 24 V DC

 Combination (rocker separate)	Lighting voltage (V)	Housing color	10 (5) A 24 V DC 1E5	10 (5) A 12 V DC 1E5	Terminal type	Terminal description	Miscellaneous	Stock version
<b>Changeover switch latching 2-step (SPDT)</b>								
3230.0502	24		○			3.0 x 0.8	2 x single-pole changeover switch with search lighting LED green circuit symbol: 3.31	
3230.0602	24		○			3.0 x 0.8	2 x single-pole changeover switch with function indicator LED red with search lighting LED green circuit symbol: 3.33	
3230.0501	12			○		3.0 x 0.8	2 x single-pole changeover switch with search lighting LED green circuit symbol: 3.31	
3230.0601	12			○		3.0 x 0.8	2 x single-pole changeover switch with function indicator LED red with search lighting LED green circuit symbol: 3.33	
<b>Changeover switch momentary 2-step (SPDT momentary)</b>								
3230.0702	24		○			3.0 x 0.8	2 x single-pole changeover switch with search lighting LED green circuit symbol: 3.32	
3230.0701	12			○		3.0 x 0.8	2 x single-pole changeover switch with search lighting LED green circuit symbol: 3.32	

 Lamp (rocker separate)	Lighting voltage (V)	Housing color	10 (5) A 24 V DC 1E5	10 (5) A 12 V DC 1E5	Terminal type	Terminal description	Miscellaneous	Stock version
<b>Lamp</b>								
3237.0102	24 24					3.0 x 0.8	LED red / red	
3237.0104	24 24					3.0 x 0.8	LED red / green	
3237.0106	24 24					3.0 x 0.8	LED green / green	
3237.0108	24 24					3.0 x 0.8	LED yellow / green	

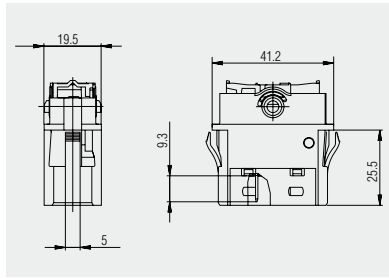
ROCKER SWITCHES  
PUSHBUTTON SWITCHES  
TOGGLE SWITCHES  
SLIDE SWITCHES  
ROTARY SWITCHES  
FOOT SWITCHES  
TACT AND KEY SWITCHES  
SNAP-ACTION SWITCHES  
MICRO-SIGNAL SWITCHES  
SENSORS  
ECO  
PUSH IN DRIVE





# SERIES 3230 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 10 (5) A 12 AND 24 V DC



Quick-connect terminal 3.0 x 0.8

Basic types 3230 and 3237

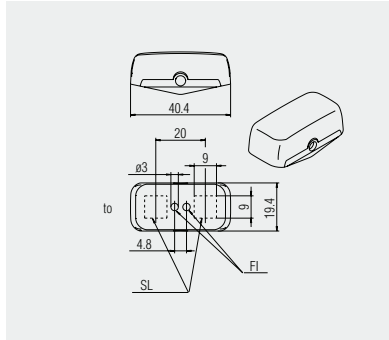


Rocker

- 190.389.011 - without stop (switching function both sides)
- 190.389.021 - with stop (switching function one side)

Cap

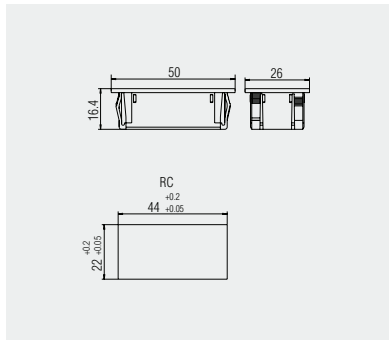
- 203.442.011 - with stop both sides (for lamp 3237)



Snap-on rocker for basic type 3230 and cap for basic type 3237 (without switching function) painted black with or without stop for both or one-sided switching function. Laser etched by customer or on request.

Note:

Rocker must be ordered separately in addition to the basic switch. Assembly on customer side.



Installation frame for basic types 3230 and 3237 in black

Installation frame  
217.353.021



Dummy piece for the basic types 3230 and 3237 with mounted black cap

Dummy piece  
203.069.013

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

SENSORS

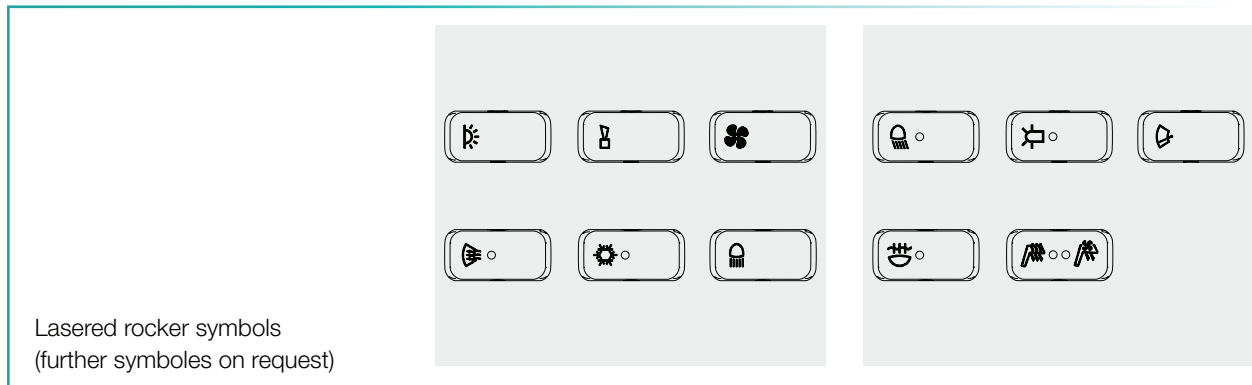
ECO

PUSH/DRIVE

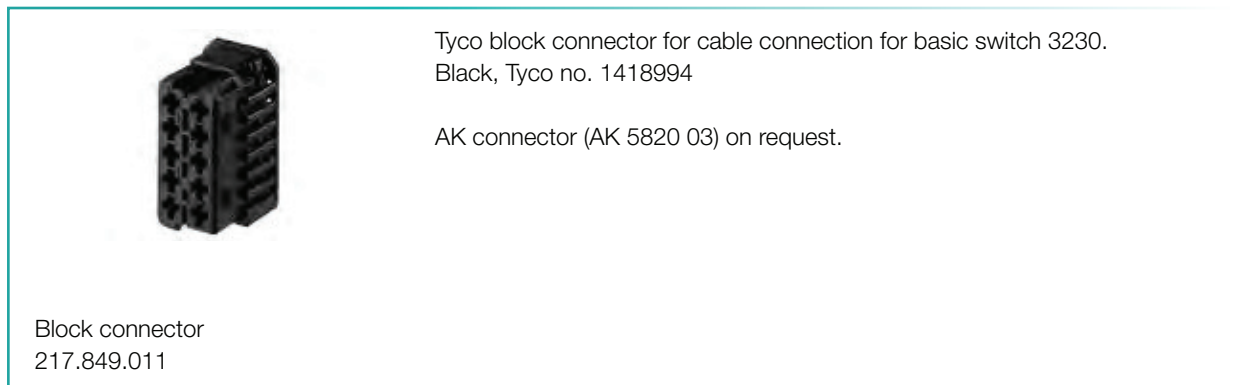


## SERIES 3230 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 10 (5) A 12 AND 24 V DC



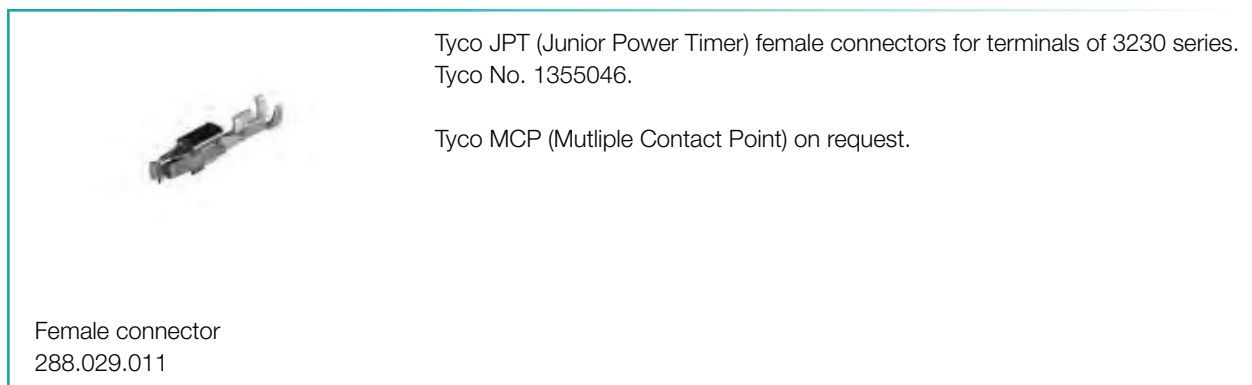
Lasered rocker symbols  
(further symbols on request)



Tyco block connector for cable connection for basic switch 3230.  
Black, Tyco no. 1418994

AK connector (AK 5820 03) on request.

Block connector  
217.849.011



Tyco JPT (Junior Power Timer) female connectors for terminals of 3230 series.  
Tyco No. 1355046.

Tyco MCP (Multiple Contact Point) on request.

Female connector  
288.029.011

Further information under

[WWW.MARQUARDT-SWITCHES.COM](http://WWW.MARQUARDT-SWITCHES.COM)



# SERIES 3230 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 10 (5) A 12 AND 24 V DC

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

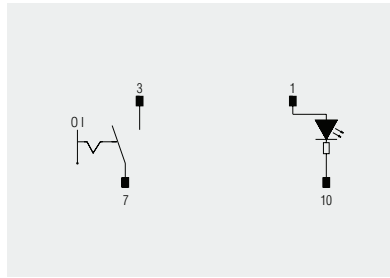
MICRO-SIGNAL SWITCHES

SENSORS

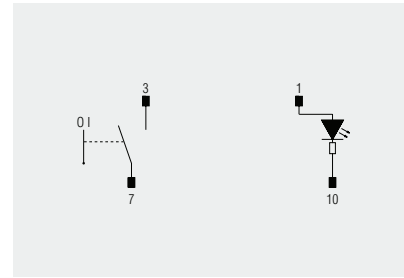
ECO

PUSH/DRIVE

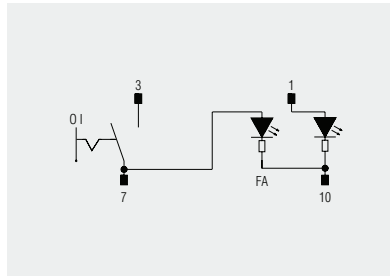
Circuit symbols



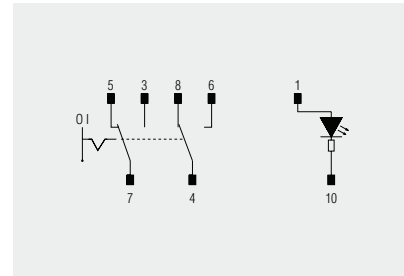
Circuit symbol: 3.01



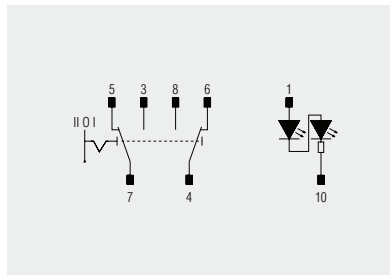
Circuit symbol: 3.02



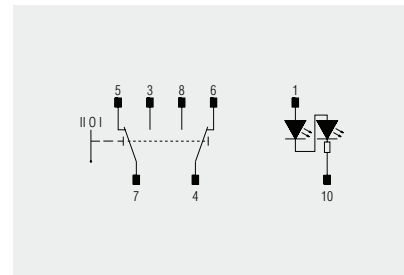
Circuit symbol: 3.03



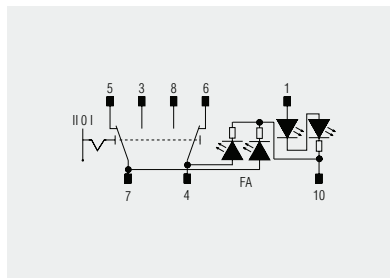
Circuit symbol: 3.09



Circuit symbol: 3.31



Circuit symbol: 3.32



Circuit symbol: 3.33

## ➤ SERIES 3250 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES IP 66/IP 68

TO 20 (10) A 12 AND 24 V DC 1E5



### PRODUCT FEATURES

- ➔ High dust and water protection with IP 66 and IP 68
- ➔ Unique and millions of times proven snap-action switching system
- ➔ Self cleaning due to relative movement
- ➔ Up to 4 integrated LEDs for background and function illumination
- ➔ Mechanical life  $\geq 500\,000$  cycles
- ➔ Wide range up to 20 A at 12 / 24 VDC
- ➔ Large variety of all required switching and circuit options
- ➔ Attractive design with various cap shapes and colors
- ➔ Large selection of laser etched symbols and accessories
- ➔ Individually configurable on [www.marquardt-switches.com/configurator3250](http://www.marquardt-switches.com/configurator3250)


### ON REQUEST

- ➔ Further cap symbols (laser etched)
- ➔ Further switching functions
- ➔ Further illumination variants
- ➔ Further cap colors
- ➔ Customer specific cap style

<b>Mechanical life endurance</b>	50E4
<b>Operating force</b>	7 N to 12 N +1,5 N
<b>Contact resistance (new condition)</b>	< 100 mOhm (1 A 12 V DC)
<b>Insulation resistance (new condition)</b>	> 100 MOhm (500 V DC)
<b>Proof tracking</b>	250 PTI
<b>Actuator</b>	IP 66 and IP 68 actuator side
<b>Ambient temperature</b>	terminal side -40 °C ... +85 °C actuating side -40 °C ... +85 °C
<b>Material</b> actuator housing terminals	PA glass fiber-reinforced / PC PA / PP silver plated
<b>Terminal type</b>	Quick-connect terminal
<b>Lighting type</b>	Symbol position 1 + 2 green; red function illumination red; yellow external function illumination red; yellow
<b>Lighting voltage</b>	24 V 12 V

# ➤ SERIES 3250 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES IP 66/IP 68














TO 20 (10) A 12 AND 24 V DC 1E5

 single-pole	Lighting voltage (V)	Housing color										Terminal type	Terminal description	Product code	Miscellaneous	Stock version	
		20 (10) A 24 V DC 1E5	20 (10) A 12 V DC 1E5	10 (5) A 24 V DC 1E5	10 (5) A 12 - 24 V DC 1E5	10 (5) A 12 V DC 1E5	< 100 mA 24 V DC 5E5	< 100 mA 12 V DC 5E5									
<b>ON / OFF switch (SPST)</b>																	
3250.0009	24	○										⏏	3.0 x 0.8	3250-1A-30-3-0	with search lighting LED green circuit symbol: 50.01		
3250.0033	24	○										⏏	3.0 x 0.8	3250-1A-40-3-0	with search lighting LED red circuit symbol: 50.01		
3250.0007	24			○								⏏	3.0 x 0.8	3250-1A-30-1-0	with search lighting LED green circuit symbol: 50.01		
3250.0013	24			○								⏏	3.0 x 0.8	3250-1A-31-1-0	with function indicator LED red with search lighting LED green circuit symbol: 50.13		
3251.0002	24			○								⏏	3.0 x 0.8	3250-1A-31-1-0-A0-bl-0719-0000-01	with function indicator LED red with search lighting LED green with pre assembled cap circuit symbol: 50.13		
3251.0005	24			○								⏏	3.0 x 0.8	3250-1A-31-1-0-A0-re-1360-0000-00	with search lighting LED green with pre assembled cap circuit symbol: 50.01		
3250.0006	12		○									⏏	3.0 x 0.8	3250-1A-10-3-0	with search lighting LED green circuit symbol: 50.01		
3250.0030	12		○									⏏	3.0 x 0.8	3250-1A-20-3-0	with search lighting LED red circuit symbol: 50.01		
3250.0001					○							⏏	3.0 x 0.8	3250-1A-00-1-0	circuit symbol: 50.43		
<b>Normally open contact (SPNO)</b>																	
3250.0060	24	○										⏏	3.0 x 0.8	3250-1B-30-3-0	with search lighting LED green circuit symbol: 50.02		
3250.0072	24	○										⏏	3.0 x 0.8	3250-1B-40-3-0	with search lighting LED red circuit symbol: 50.02		
3250.0057	12		○									⏏	3.0 x 0.8	3250-1B-10-3-0	with search lighting LED green circuit symbol: 50.02		
3250.0069	12		○									⏏	3.0 x 0.8	3250-1B-20-3-0	with search lighting LED red circuit symbol: 50.02		
3250.0052					○							⏏	3.0 x 0.8	3250-1B-00-1-0	circuit symbol: 50.44		
<b>Changeover switch (SPDT)</b>																	
3250.0118	24			○								⏏	3.0 x 0.8	3250-1E-31-1-0	with function indicator LED red with search lighting LED green circuit symbol: 50.17		
3250.0142	24			○								⏏	3.0 x 0.8	3250-1E-41-1-0	with function indicator LED yellow with search lighting LED red circuit symbol: 50.17		
3250.0115	12				○							⏏	3.0 x 0.8	3250-1E-11-1-0	with function indicator LED red with search lighting LED green circuit symbol: 50.17		
3250.0139	12				○							⏏	3.0 x 0.8	3250-1E-21-1-0	with function indicator LED yellow with search lighting LED red circuit symbol: 50.17		
3250.0106					○							⏏	3.0 x 0.8	3250-1E-00-1-0	circuit symbol: 50.47		
<b>Changeover switch (SPDT momentary)</b>																	
3250.0163	24			○								⏏	3.0 x 0.8	3250-1F-30-1-0	with search lighting LED green circuit symbol: 50.06		
3250.0170	24						○					⏏	3.0 x 0.8	3250-1F-34-2-0	with function indicator LED red with search lighting LED green circuit symbol: 50.24		
3250.0160	12						○					⏏	3.0 x 0.8	3250-1F-10-1-0	with search lighting LED green circuit symbol: 50.06		
3250.0167	12											⏏	3.0 x 0.8	3250-1F-14-2-0	with function indicator LED red with search lighting LED green circuit symbol: 50.24		

ROCKERSWITCHES  
 PUSHBUTTON SWITCHES  
 TOGGLE SWITCHES  
 SLIDE SWITCHES  
 ROTARY SWITCHES  
 FOOT SWITCHES  
 TACT AND KEY SWITCHES  
 SNAP-ACTION SWITCHES  
 MICRO-SIGNAL SWITCHES  
 SENSORS  
 ECO  
 PUSH/DRIVE

# ➤ SERIES 3250 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES IP 66/IP 68
























TO 20 (10) A 12 AND 24 V DC 1E5

 double-pole	Lighting voltage (V)	Housing color								Terminal type	Terminal description	Product code	Miscellaneous	Stock version
	20 (10) A 24 V DC 1E5	20 (10) A 12 V DC 1E5	10 (5) A 24 V DC 1E5	10 (5) A 12 - 24 V DC 1E5	10 (5) A 12 V DC 1E5	< 100 mA 24 V DC 5E5	< 100 mA 12 V DC 5E5							
<b>ON / OFF switch (DPST)</b>														
3250.0196	24					○					3.0 x 0.8	3250-2A-31-1-0	with function indicator LED red with search lighting LED green circuit symbol: 50.25	
3250.0184					○						3.0 x 0.8	3250-2A-00-1-0	circuit symbol: 50.49	
<b>Changeover switch (DPDT)</b>														
3250.0301	24			○							3.0 x 0.8	3250-2E-31-1-0	with function indicator LED red with search lighting LED green circuit symbol: 50.29	
3250.0325	24			○							3.0 x 0.8	3250-2E-41-1-0	with function indicator LED yellow with search lighting LED red circuit symbol: 50.29	
3250.0298	12					○					3.0 x 0.8	3250-2E-11-1-0	with function indicator LED red with search lighting LED green circuit symbol: 50.29	
3250.0322	12					○					3.0 x 0.8	3250-2E-21-1-0	with function indicator LED yellow with search lighting LED red circuit symbol: 50.29	
3251.0003	12					○					3.0 x 0.8	3250-2E-21-1-0-B0-bl-1370-0000-01	with function indicator LED yellow with search lighting LED red with pre assembled cap circuit symbol: 50.29	
3250.0289				○							3.0 x 0.8	3250-2E-00-1-0	circuit symbol: 50.53	
<b>Changeover switch (DPDT momentary)</b>														
3250.0346	24			○							3.0 x 0.8	3250-2F-30-1-0	with search lighting LED green circuit symbol: 50.42	
3250.0353	24					○					3.0 x 0.8	3250-2F-35-2-0	with function indicator LED red with search lighting LED green circuit symbol: 50.36	
3250.0343	12					○					3.0 x 0.8	3250-2F-10-1-0	with search lighting LED green circuit symbol: 50.42	
3250.0350	12							○			3.0 x 0.8	3250-2F-15-2-0	with function indicator LED red with search lighting LED green circuit symbol: 50.36	

ROCKERSWITCHES  
 PUSHBUTTON SWITCHES  
 TOGGLE SWITCHES  
 SLIDE SWITCHES  
 ROTARY SWITCHES  
 FOOT SWITCHES  
 TACT AND KEY SWITCHES  
 SMP-ACTION SWITCHES  
 MICRO-SIGNAL SWITCHES  
 SENSORS  
 ECO  
 PUSH IN DRIVE

# ➔ SERIES 3250 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES IP 66/IP 68

TO 20 (10) A 12 AND 24 V DC 1E5

 Combination	Lighting voltage (V)	Housing color						Terminal type	Terminal description	Product code	Miscellaneous	Stock version
	20 (10) A 24 V DC 1E5	20 (10) A 12 V DC 1E5	10 (5) A 24 V DC 1E5	10 (5) A 12 - 24 V DC 1E5	10 (5) A 12 V DC 1E5	< 100 mA 24 V DC 5E5	< 100 mA 12 V DC 5E5					
<b>3-step OFF-ON-ON switch (2xSPST)</b>												
3250.0649				○					3.0 x 0.8	3250-5A-00-1-0	circuit symbol: 50.139	
<b>Changeover switch with OFF-position in the center (2xSPST - Center OFF)</b>												
3250.0379	24			○					3.0 x 0.8	3250-3A-34-1-0	with function indicator LED red with search lighting LED green circuit symbol: 50.108	
3250.0436	24			○					3.0 x 0.8	3250-3B-39-1-0	with search lighting LED green circuit symbol: 50.108 momentary function both sides	
3250.0431	24						○		3.0 x 0.8	3250-3B-48-2-0	with function indicator LED yellow with search lighting LED red circuit symbol: 50.128 momentary function both sides	
3250.0376	12						○		3.0 x 0.8	3250-3A-14-1-0	with function indicator LED red with search lighting LED green circuit symbol: 50.113	
3250.0433	12						○		3.0 x 0.8	3250-3B-19-1-0	mit Suchbeleuchtung LED grün Schaltzeichen: 50.108 Tastfunktion beidseitig	
3251.0004	12						○		3.0 x 0.8	3250-3B-19-1-0-B0-bl-1390-1380-00	mit Suchbeleuchtung LED grün Schaltzeichen: 50.108 Tastfunktion beidseitig	
3250.0428	12						○		3.0 x 0.8	3250-3B-28-2-0	mit Funktionsanzeige LED gelb mit Suchbeleuchtung LED rot Schaltzeichen: 50.126 Tastfunktion beidseitig	
3250.0367				○					3.0 x 0.8	3250-3A-00-1-0	Schaltzeichen: 50.121	
3250.0418				○					3.0 x 0.8	3250-3B-00-1-0	Schaltzeichen: 50.122 Tastfunktion beidseitig	
<b>3-step changeover switch (2xSPDT)</b>												
3250.0514	24			○					3.0 x 0.8	3250-4A-34-1-0	mit Funktionsanzeige LED rot mit Suchbeleuchtung LED grün Schaltzeichen: 50.117	
3250.0577	24			○					3.0 x 0.8	3250-4B-39-1-0	mit Suchbeleuchtung LED grün Schaltzeichen: 50.112 Tastfunktion beidseitig	
3250.0616	24			○					3.0 x 0.8	3250-4C-38-1-0	mit Funktionsanzeige LED rot mit Suchbeleuchtung LED grün Schaltzeichen: 50.137 Tastfunktion einseitig	
3250.0572	24						○		3.0 x 0.8	3250-4B-38-2-0	mit Funktionsanzeige LED rot mit Suchbeleuchtung LED grün Schaltzeichen: 50.132 Tastfunktion beidseitig	
3250.0590	24						○		3.0 x 0.8	3250-4B-48-2-0	mit Funktionsanzeige LED gelb mit Suchbeleuchtung LED rot Schaltzeichen: 50.132 Tastfunktion beidseitig	
3250.0511	12						○		3.0 x 0.8	3250-4A-14-1-0	mit Funktionsanzeige LED rot mit Suchbeleuchtung LED grün Schaltzeichen: 50.117	
3250.0574	12						○		3.0 x 0.8	3250-4B-19-1-0	mit Suchbeleuchtung LED grün Schaltzeichen: 50.112 Tastfunktion beidseitig	
3250.0613	12						○		3.0 x 0.8	3250-4C-18-1-0	mit Funktionsanzeige LED rot mit Suchbeleuchtung LED grün Schaltzeichen: 50.137 Tastfunktion einseitig	
3250.0569	12						○		3.0 x 0.8	3250-4B-18-2-0	mit Funktionsanzeige LED rot mit Suchbeleuchtung LED grün Schaltzeichen: 50.132 Tastfunktion beidseitig	
3250.0587	12						○		3.0 x 0.8	3250-4B-28-2-0		
3251.0001	12						○		3.0 x 0.8	3250-4B-28-2-0-B0-bl-1213-1223-02	mit Funktionsanzeige LED gelb mit Suchbeleuchtung LED rot Schaltzeichen: 50.132 Tastfunktion beidseitig	
3250.0496				○					3.0 x 0.8	3250-4A-00-K1-0	Schaltzeichen: 50.125	

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SWAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

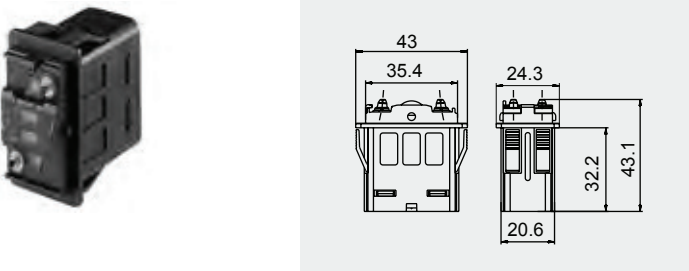
SENSORS

ECO

PUSH/DRIVE

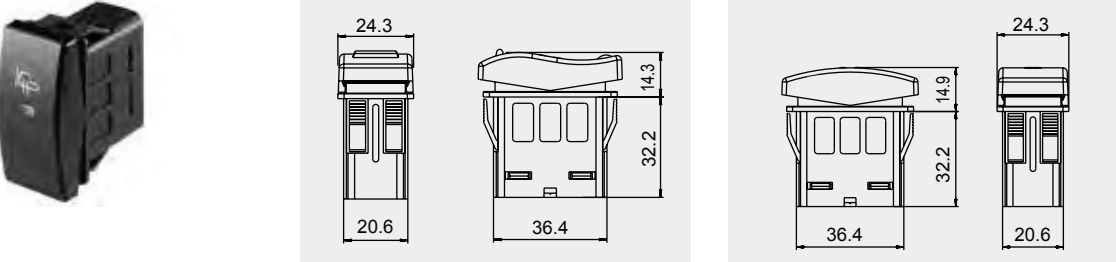
# ➤ SERIES 3250 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES IP 66/IP 68

TO 20 (10) A 12 AND 24 V DC 1E5



Series 3250


Quick-connect terminal 3.0 x 0.8



Series 3250

Quick-connect terminal 3.0 x 0.8

Quick-connect terminal 3.0 x 0.8



Cap design 1

Snap-on cap for basic type 3250. Painted black or red. With or without light guide for function illumination. Laser etched by customer or on request.

Versions with locking function:

- lock 1 in neutral position
- lock 2 in actuated position
- lock 3 in both positions

Note: Rocker must be ordered separately in addition to the basic switch. Assembly on request or on customer side.

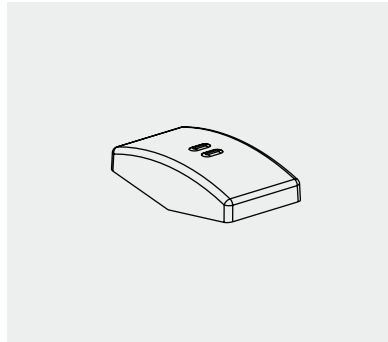
black	lock 1	lock 3
203.990.015 - no light guide	203.107.016 - bl.; no light g.	203.107.036 - bl.; no light g.
203.105.016 - 1 light guide	203.107.046 - bl.; 1 light g.	203.107.066 - bl.; 1 light g.
203.105.026 - 2 light guide	203.107.076 - red.; no light g.	203.107.096 - red.; no light g.
	203.107.106 - red.; 1 light g.	203.107.126 - red.; 1 light g.
red	lock 2	
203.990.045 - kein light guide	203.107.026 - bl.; no light g.	
203.105.036 - 1 light guide	203.107.056 - bl.; 1 light g.	
203.105.046 - 2 light guide	203.107.086 - red.; no light g.	
	203.107.116 - red.; 1 light g.	

ROCKER SWITCHES  
PUSHBUTTON SWITCHES  
TOGGLE SWITCHES  
SLIDE SWITCHES  
ROTARY SWITCHES  
FOOT SWITCHES  
TACT AND KEY SWITCHES  
SNAP-ACTION SWITCHES  
MICRO-SIGNAL SWITCHES  
SENSORS  
ECO  
PUSH IN DRIVE



# ➤ SERIES 3250 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES IP 66/IP 68

TO 20 (10) A 12 AND 24 V DC 1E5



Cap design 2

**black**

- 203.991.015 - no light guide
- 203.106.016 - 1 light guide
- 203.106.026 - 2 light guide

**red**

- 203.991.045 - kein light guide
- 203.106.036 - 1 light guide
- 203.106.046 - 2 light guide

**lock 1**

- 203.108.016 - bl.; no light g.
- 203.108.046 - bl.; 1 light g.
- 203.108.076 - red; no light g.
- 203.108.106 - red.; 1 light g.

**lock 2**

- 203.108.026 - bl.; no light g.
- 203.108.056 - bl.; 1 light g.
- 203.108.086 - red.; no light g.
- 203.108.116 - red.; 1 light g.

Snap-on cap for basic type 3250. Painted black or red. With or without light guide for function illumination. Laser etched by customer or on request.

Versions with locking function:

- lock 1 in neutral position
- lock 2 in actuated position
- lock 3 in both positions

Note: Rocker must be ordered separately in addition to the basic switch. Assembly on request or on customer side.

**lock 3**

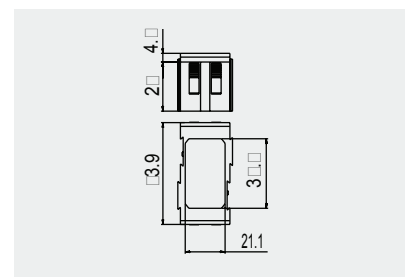
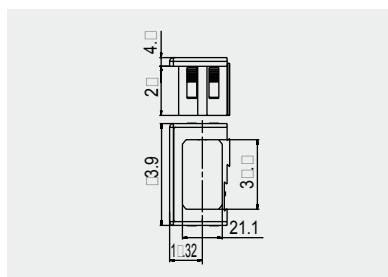
- 203.108.036 - bl.; no light g.
- 203.108.066 - bl.; 1 light g.
- 203.108.096 - red.; no light g.
- 203.108.126 - red.; 1 light g.



Assembly frame

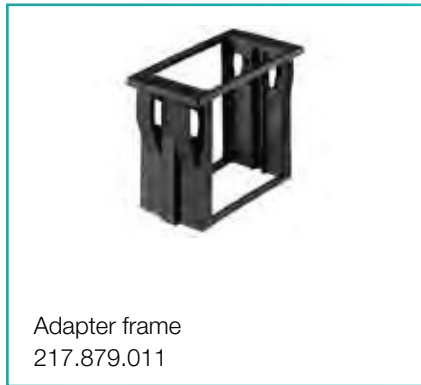
Can be stringed together; black

- 217.887.011 (end piece)
- 217.887.021 (center piece)

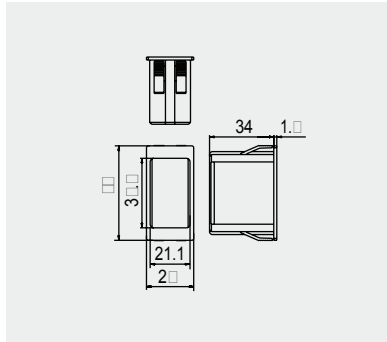


## ➤ SERIES 3250 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES IP 66/IP 68

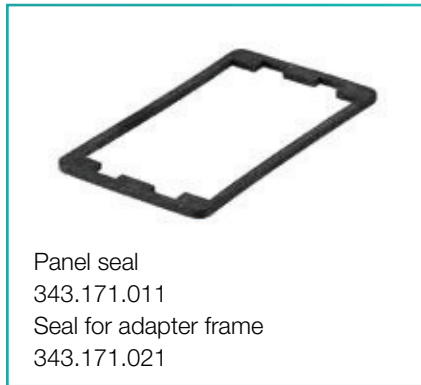
TO 20 (10) A 12 AND 24 V DC 1E5



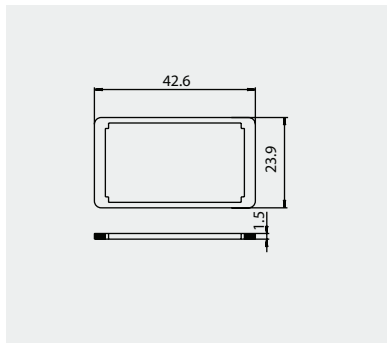
Adapter frame  
217.879.011



Adapter frame for basic type 3250 in black. For cut-out 44 mm x 22 mm.



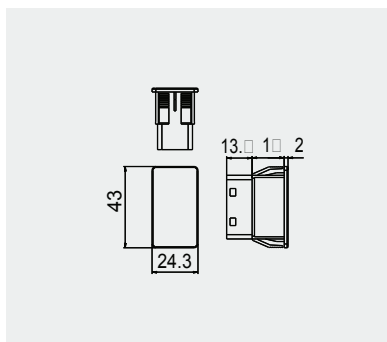
Panel seal  
343.171.011  
Seal for adapter frame  
343.171.021



Panel seal for base switch 3250 / adapter frame 217.879.011. Dust- and water protection IP 67 from actuation side (correct customer assembly mandatory). Assembly on customers side or on demand. Thickness 1.5 mm; black.



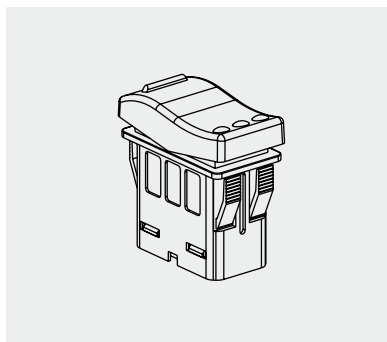
Hole plug  
237.036.011



Hole plug for basic type 3250. With support for block connector.



Pilot light 3257



Pilot light 3257 in the same design as basic type 3250 without switching function. With 2 LEDs. Different colors available on demand. Each LED individually controllable. Laser inscription by customer or on request.

## ➤ SERIES 3250 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES IP 66/IP 68

TO 20 (10) A 12 AND 24 V DC 1E5



Tyco block connector for cable connection for basic switch 3250.  
Black, Tyco no. 1418994

AK connector (AK 5820 03) on request.

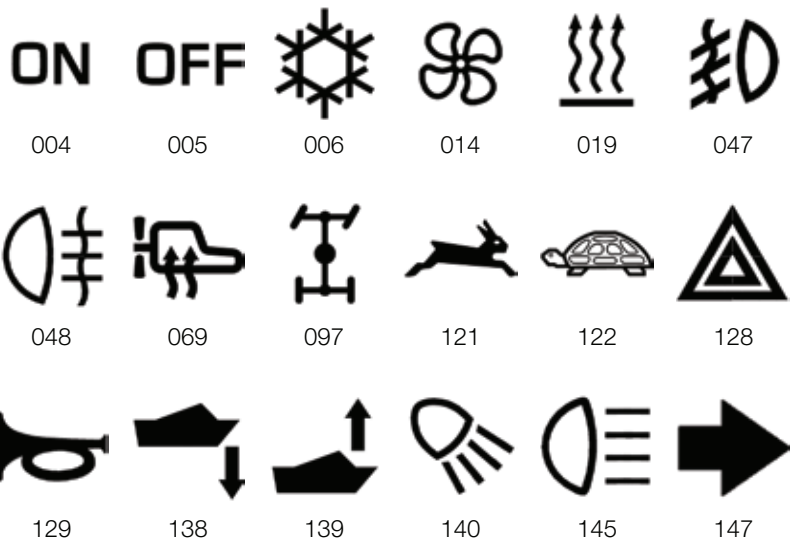
Block connector  
217.849.011



Tyco JPT (Junior Power Timer) female connectors for terminals of 3250 series.  
Tyco No. 1355046.

Tyco MCP (Multiple Contact Point) on request.

Female connector  
288.029.011

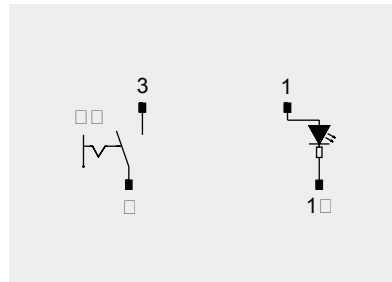


Lasered rocker symbols  
(examples)  
more on request

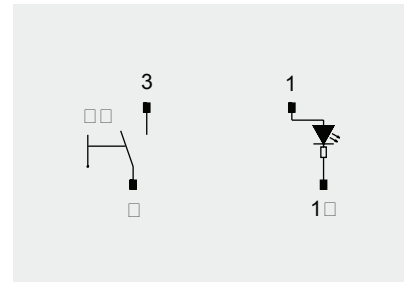
# ➤ SERIES 3250 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES IP 66/IP 68

TO 20 (10) A 12 AND 24 V DC 1E5

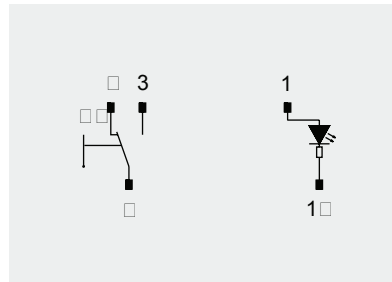
Circuit symbols



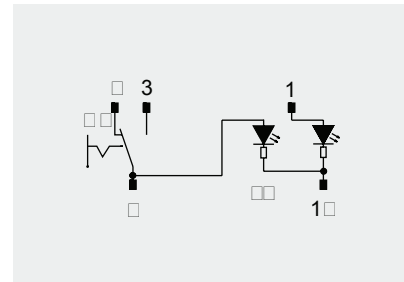
50.01



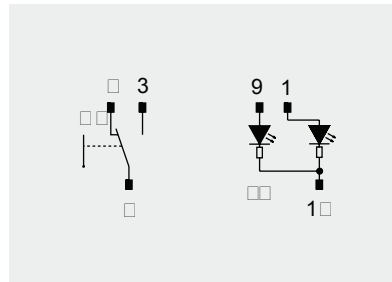
50.02



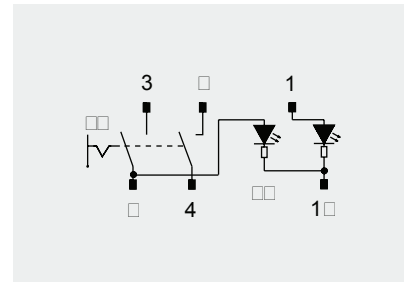
50.06



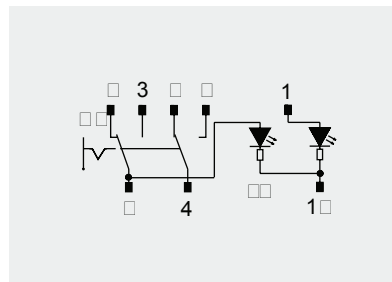
50.17



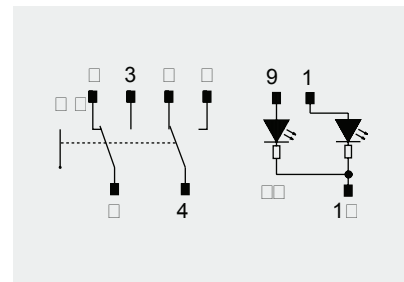
50.24



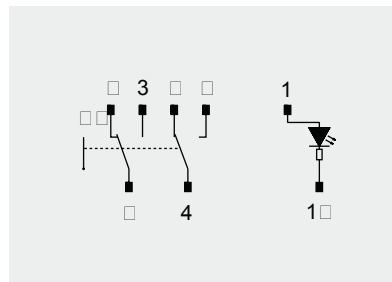
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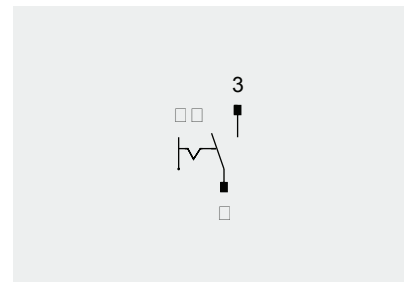
50.29



50.36



50.42



50.43

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

SENSORS

ECO

PUSH-IN DRIVE

# ➤ SERIES 3250 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES IP 66/IP 68

TO 20 (10) A 12 AND 24 V DC 1E5

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

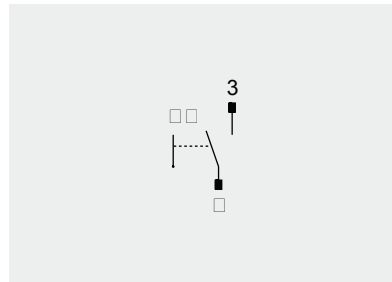
MICRO-SIGNAL SWITCHES

SENSORS

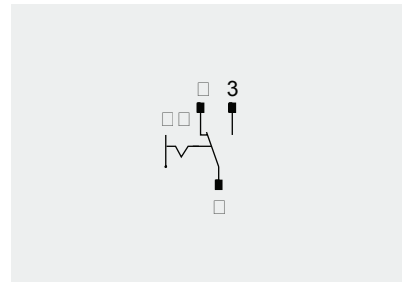
ECO

PUSH/DRIVE

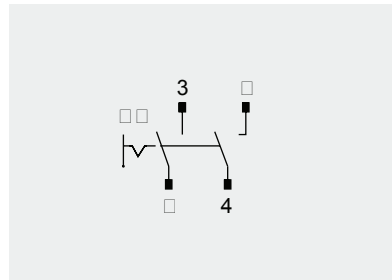
Circuit symbols  
(continue from page 91)



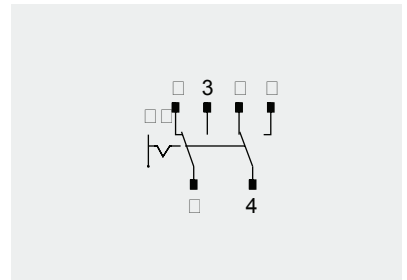
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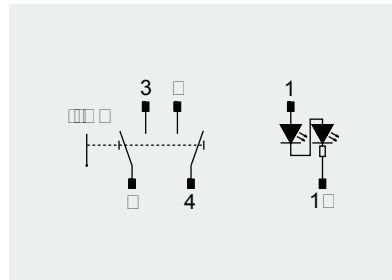
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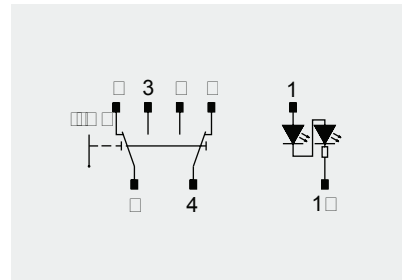
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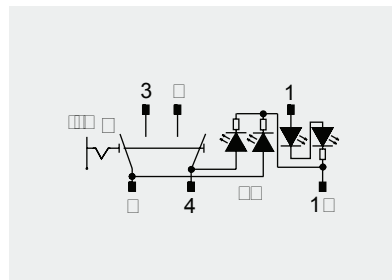
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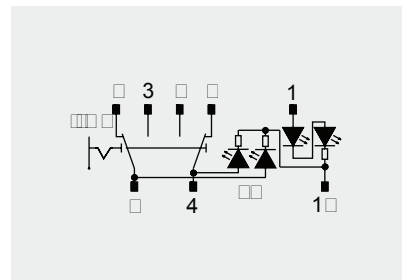
50.108



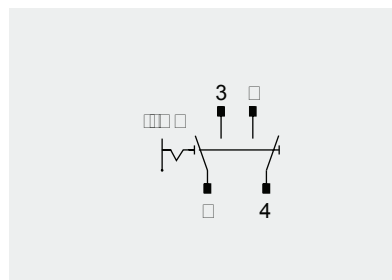
50.112



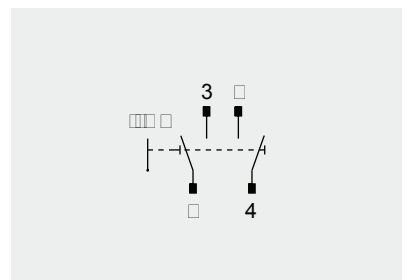
50.113



50.117



50.121

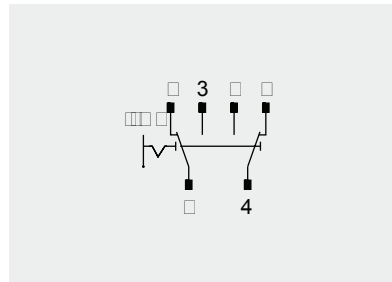


50.122

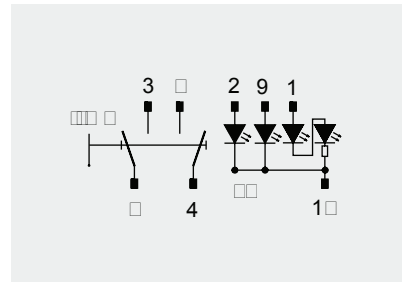
# ➤ SERIES 3250 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES IP 66/IP 68

TO 20 (10) A 12 AND 24 V DC 1E5

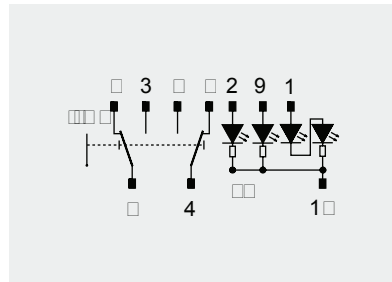
Circuit symbols  
(continue from page 92)



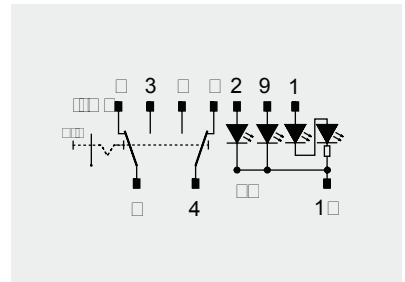
50.125



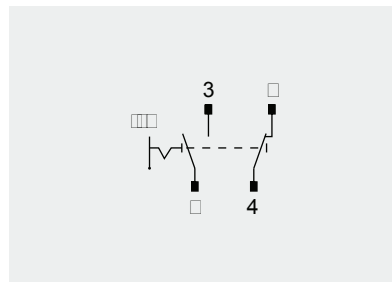
50.128



50.132



50.137



50.139

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

SENSORS

ECO

PUSH IN/DRIVE



# SERIES 0344 - THREE-POLE ROCKER SWITCHES

TO 16 (6) A 400 V AC

## PRODUCT FEATURES


- Robust and powerful rocker switch
- Dust protected
- Approval for 400 V

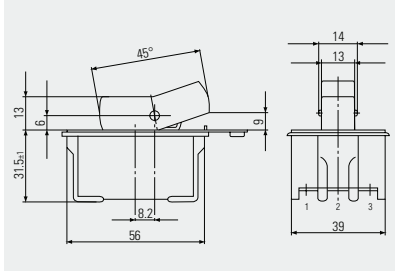
## ON REQUEST

- Other terminal variants

Material actuator housing terminals	PA Duroplast / Duroplast (base) / chromated galvanized steel (bracket plate) chromatiert
Prüfzeichen	

three-pole	Actuator color / printing	Housing color	16 (6) A 400 V AC 5E4	25 A 400 V AC	Terminal type	Terminal description	Contact distance (mm)	Contact material	Miscellaneous	Stock version
ON / OFF switch (TPST)										
0344.0102						M4	≥ 3	Ag		
0344.0201						M4	≥ 3	Ag		





Screw terminal M4

Basic type 0344