

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
- ◆ Wide variety
- ◆ Variants with IP 67 or dust protection insert
- ◆ Two housing variants
- ◆ Excellent 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

Mechanical life endurance	10E4 5E4 (basic type 1839) 1E6 (product-dependent)
Inrush current (capacitive)	120 A / 50 A (contact pair Ag / Cu)
Contact resistance (new condition)	< 100 mOhm (1 A 12 V DC)
Insulation resistance (new condition)	> 100 MOhm (500 V DC)
Voltage strength at 250 V	1 500 V function insulation / basic insulation 3 000 V reinforced insulation 500 V small contact distance
Proof tracking	250 PTI
Insulation spacing	acc. to EN 61058 for reinforced or double insulation
Protection type	IP 40 / IP 67 (product-dependent)
Ambient temperature	connection side -20 °C ... +105 °C / ... +85 °C / ... +100 °C actuating side -20 °C ... +55 °C
Flammability	UL 94 V-2 and UL 94 V-0 (product-dependent)
Heat and fire resistance	850 °C (category D)
Material	actuator PA / PC housing PA connections silver-plated / tinned
Plug force of the terminals	≤ 80 N
Approval marks	  
Suitable for appliances of protection class II	



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single-pole		ON/OFF switch (SPST)							Changeover switch (SPDT momentary)							ON/OFF switch (SPST)						
		1830.3111	1830.3112	1830.3118	1830.3119	1830.8112	1830.0102	1830.6103								1835.3902	1831.0112	1831.0114	1831.0115	1831.3312	1831.3313	1831.3317
Voltage lamp in V		230	230	230	230	230	230	230								230						
Actuator color / printing																						
Housing color																						
20 (4) A 250 V AC 1E4		•	•	•	•	•											•	•	•	•	•	•
16 (4) A 250 V AC 1E4																						
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 125 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																•						
Connection type																						
Connection description		6.3	6.3	6.3	6.3	6.3		4.8								6.3				6.3	6.3	6.3
Contact distance in 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						low lying flange		low lying flange														
Stock version		•	•	•	•	•	•										•			•	•	

ROCKER SWITCHES
PUSHBUTTON SWITCHES
TOGGLE SWITCHES
SLIDE SWITCHES
ROTARY SWITCHES
FOOT SWITCHES
POWER TOOL SWITCHES
TACT AND KEY SWITCHES
SNAP-ACTION SWITCHES
MICRO-SIGNAL SWITCHES
SENSORS

SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

single-pole  	ON/OFF switch (SPST)	1831.3606	1831.3607	1831.3815	1831.3933	1831.8112	1831.1107	1831.7102	1831.8102	Normally open contact (SPNO)	1831.1202	1831.3402	1831.8202	1831.1253	Switch (SPDT)	1833.3312	1833.1102
																	
Voltage lamp in V																	
Actuator color / printing																	
Housing color																	
20 (4) A 250 V AC 1E4		•	•	•	•	•											
16 (4) A 250 V AC 1E4																•	
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 125 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											•	•	•				
Connection type																	
Connection description		6.3	6.3	6.3	6.3	6.3	4.8		6.3		4.8	6.3	6.3	4.8		6.3	4.8
Contact distance in 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	Au		Ag	Ag
EN 60335 cap. 30 conform "G"		•	•														
Miscellaneous		housing with 2 separating gates	housing with 2 separating gates	IP 67 1E6 mechanical life endurance		low lying flange		low lying flange	low lying flange				low lying flange				
Stock version					•	•	•				•	•	•				•

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TO 20 (4) A 250 V AC

single-pole  	Switch (SPDT)	1833.3307	1833.7102	1833.8102	Switch with OFF position in the center (SPDT - Center OFF)	1838.0305	1838.3412	1838.3512	1838.3901	1838.1402	1838.1502	1838.1509	1838.1602	1838.4307	1838.7203	1838.8302	1838.3402
Voltage lamp in V																	
Actuator color / printing																	
Housing color																	
20 (4) A 250 V AC 1E4																	
16 (4) A 250 V AC 1E4						●	●	●	●								
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 125 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																	
Connection type																	
Connection description		6.3		6.3			6.3	6.3	6.3	4.8	4.8	4.8	4.8	2.8		6.3	6.3
Contact distance in 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			low lying flange	low lying flange		momentary function both sides	momentary function both sides		IP 67 1E6 mechanical life endurance	momentary function both sides			momentary function one side	momentary function one side	momentary function one side low lying flange	momentary function both sides low lying flange	momentary function both sides
Stock version		●		●				●	●	●	●		●			●	●

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

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POWER TOOL SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

SENSORS

SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

single-pole	Switch with OFF position in the center (SPDT - Center OFF)		Changeover switch (SPDT momentary)	
	1838.3502	1833.1202	1833.3402	1833.6206
 				
Voltage lamp in V				
Actuator color / printing				
Housing color				
20 (4) A 250 V AC 1E4				
16 (4) A 250 V AC 1E4				
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 125 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		●	●	●
Connection type				
Connection description	6.3	4.8	6.3	4.8
Contact distance in mm	≥ 3	≥ 3	≥ 3	≥ 3
Contact material	Ag	Ag	Ag	Ag
EN 60335 cap. 30 conform "G"				
Miscellaneous				low lying flange
Stock version	●		●	

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TO 20 (4) A 250 V AC

double-pole		ON/OFF switch (DPST)		1835.3419	1835.3111	1835.3112	1835.3114	1835.3118	1835.3418	1835.9413	1835.1115	1835.7108	Switch (DPDT)	1835.3802	ON/OFF switch (DPST)		1835.3116	1835.3107	1832.1612	1832.3311
 																				
Voltage lamp in V				400	230	230	230	230	230	230	230	230		230			115 -230	12		
Actuator color / printing																				
Housing color																				
20 (4) A 250 V AC 1E4				●	●	●	●	●	●	●							●		●	●
16 (4) A 250 V AC 1E4																				
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 125 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																				
Connection type																				
Connection description				6.3	6.3	6.3	6.3	6.3	6.3		4.8			6.3			6.3	6.3	4.8	6.3
Contact distance in 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				10 (8) 400 V AC 5E4 cover frame 33.2 long					cover frame 33.2 long	PCB holder 248.103.011 mounted low lying flange		low lying flange							cover frame 33.2 long	
Stock version					●	●	●	●			●							●		●

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TO 20 (4) A 250 V AC

double-pole		ON/OFF switch (DPST)												Normally open contact (DPNO)				Switch (DPDT)	
 		1832.3312	1832.3313	1832.3508	1832.3602	1832.6112	1832.7103	1832.8112	1832.9103	1832.0113	1832.1102	1832.9101	1832.3407	1832.8204	1834.3311				
Voltage lamp in V																			
Actuator color / printing																			
Housing color																			
20 (4) A 250 V AC 1E4																			
16 (4) A 250 V AC 1E4																			
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 125 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																			
Connection type																			
Connection description																			

SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

double-pole 	Switch (DPDT)	1834.3312	1834.1102	1834.1103	1834.3309	1834.3603	1834.6103	1839.1402	1839.1407	1839.1410	1839.1502	1839.1509	1839.1518	1839.1602	1839.2203	1839.3502	1839.3503
Voltage lamp in V																	
Actuator color / printing																	
Housing color																	
20 (4) A 250 V AC 1E4																	
16 (4) A 250 V AC 1E4		•															
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 125 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																	
Connection type																	
Connection description		6.3	4.8	4.8	6.3	6.3	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	6.3	6.3
Contact distance in mm		≥ 3	≥ 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	Ag
EN 60335 cap. 30 conform "G"						•											
Miscellaneous						cover frame 33.2 long	low lying flange	momentary function both sides	momentary function both sides	momentary function both sides dust protection inlay			dust protection inlay	momentary function one side	momentary function one side		
Stock version		•	•		•			•	•		•	•				•	

ROCKER SWITCHES

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SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

double-pole		Switch (DPDT)	1839.3602	1839.7304	1839.3352	1839.0105	Switch with OFF position in the center (DPDT - Center OFF)	1839.3412	1839.3512	Changeover switch (DPDT momentary)	1834.3402	1834.3504
 												
Voltage lamp in V												
Actuator color / printing												
Housing color												
20 (4) A 250 V AC 1E4												
16 (4) A 250 V AC 1E4								•	•			
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 125 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											•	•
Connection type												
Connection description			6.3		6.3			6.3	6.3		6.3	6.3
Contact distance in mm			≥ 3	≥ 3	≥ 3	≥ 3		≥ 3	≥ 3		≥ 3	≥ 3
Contact material			Ag	Ag	Au	Ag		Ag	Ag		Ag	Ag
EN 60335 cap. 30 conform "G"												
Miscellaneous			momentary function one side	momentary function one side dust protection inlay, low lying flange	cover frame 33.2 long	dust protection inlay		momentary function both sides				single-pole occupied
Stock version			•					•	•		•	

SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

 		Lamp	1837.1118	1837.2504	1837.3102	1837.8102	1837.8108
Voltage lamp in V			230	230	230	230	230
Actuator color / printing							
Housing color							
20 (4) A 250 V AC 1E4							
16 (4) A 250 V AC 1E4							
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 125 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							
Connection type							
Connection description			4.8		6.3	6.3	6.3
Contact distance in mm							
Contact material							
EN 60335 cap. 30 conform "G"							
Miscellaneous				low lying flange		size basic type 1835	size basic type 1835
Stock version			●		●	●	●

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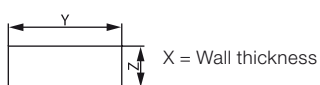
SENSORS

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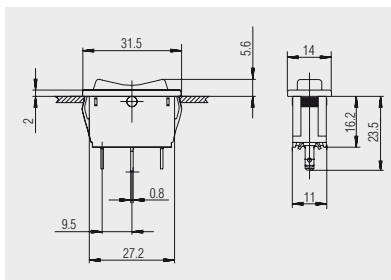
TO 20 (4) A 250 V AC



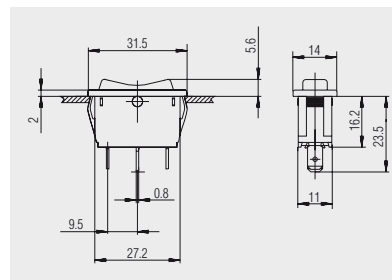
Basic types 1830, 1831, 1833
and 1838
single-pole
illuminated / non-illuminated



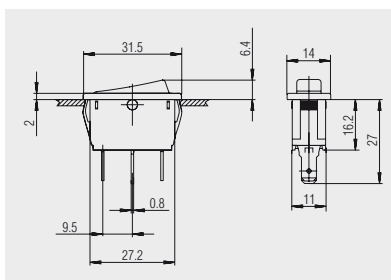
X	Y	Z
0.75 ... 1.25	30 ^{-0.1}	11 ^{+0.1}
1.25 ... 2	30.2 ^{-0.1}	11 ^{+0.1}
2 ... 3	30.6 ^{-0.1}	11 ^{+0.1}



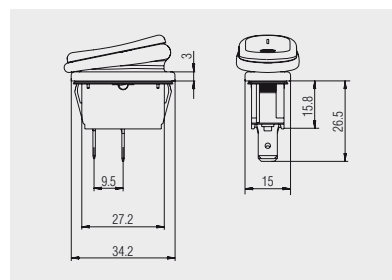
Quick-connect terminal 2.8
1838.4307



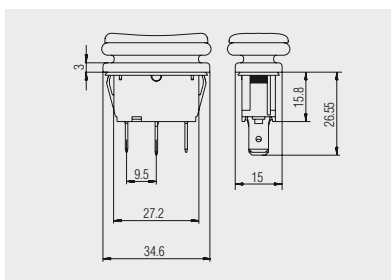
Quick-connect terminal 4.8
basic type 1838



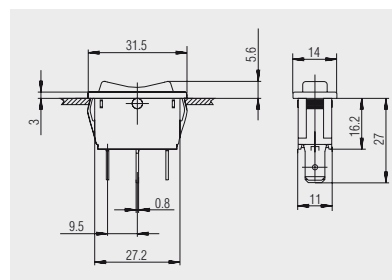
Quick-connect terminal 4.8
basic types 1830, 1831 and
1833



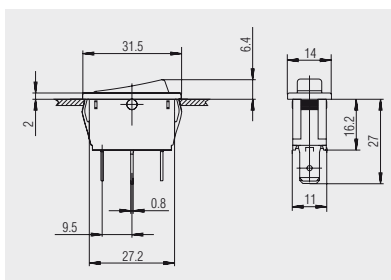
Quick-connect terminal 6.3
1831.3815



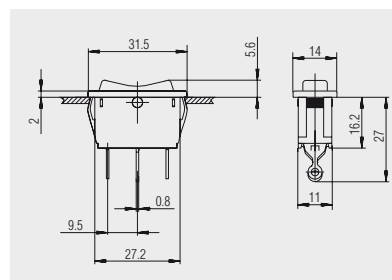
Quick-connect terminal 6.3
1838.3901



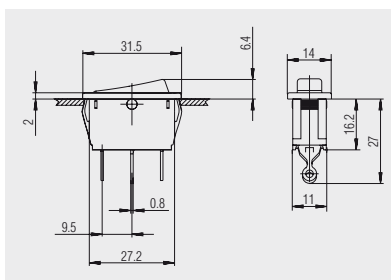
Quick-connect terminal 6.3
basic type 1838



Quick-connect terminal 6.3
basic types 1831 and 1833



Solder terminal
basic type 1838



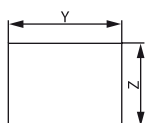
Solder terminal
basic types 1830 and 1831

SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC

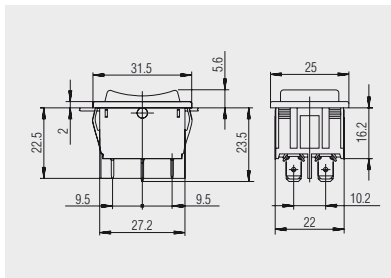


Basic types 1832, 1834, 1835
and 1839
double-pole
illuminated / non-illuminated

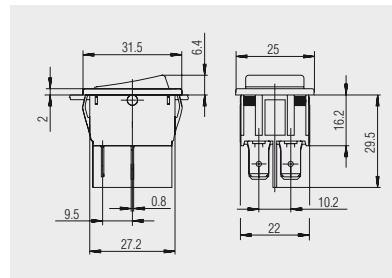


X = Wall thickness

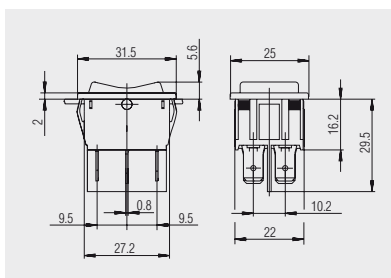
X	Y	Z
0.75 ... 1.25	30 ^{-0.1}	22 ^{+0.2}
1.25 ... 2	30.2 ^{-0.1}	22 ^{+0.2}
2 ... 3	30.6 ^{-0.1}	22 ^{+0.2}



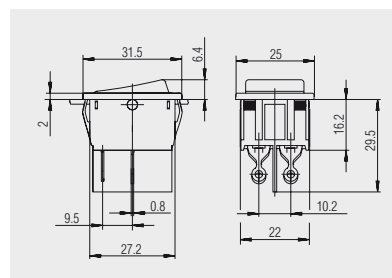
Quick-connect terminal 4.8
basic type 1839



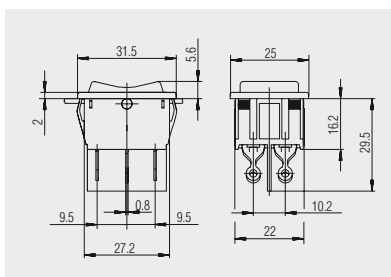
Quick-connect terminal 6.3 / 4.8
basic types 1832, 1834 and
1835



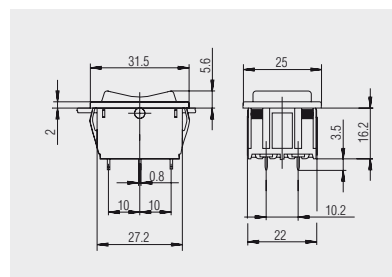
Quick-connect terminal 6.3
basic type 1839



Solder terminal
basic type 1832



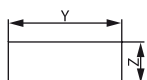
Solder terminal
basic type 1839



PCB terminal
basic type 1839

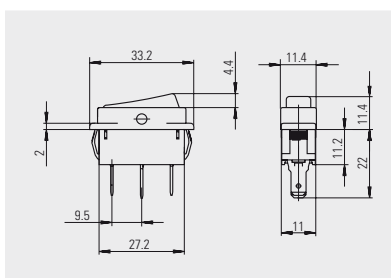


Basic types 1830, 1831, 1833
and 1838
single-pole, lower lying flange
illuminated / non-illuminated

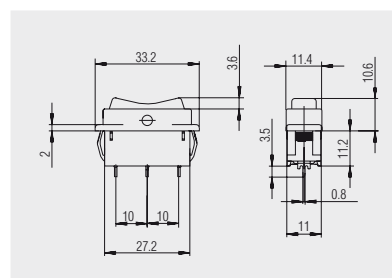


X = Wall thickness

X	Y	Z
0.75 ... 1.25	30 ^{-0.1}	11 ^{+0.1}
1.25 ... 2	30.2 ^{-0.1}	11 ^{+0.1}
2 ... 3	30.6 ^{-0.1}	11 ^{+0.1}



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



PCB terminal
basic type 1838

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

POWER TOOL SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

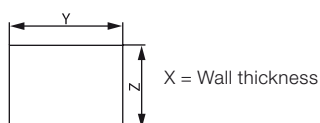
SENSORS

SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

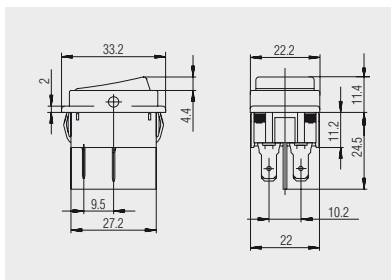
TO 20 (4) A 250 V AC



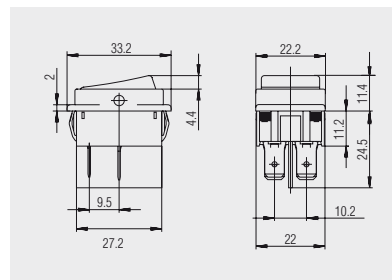
Basic types 1832, 1834, 1835 and 1839
double-pole, lower lying flange
illuminated / non-illuminated



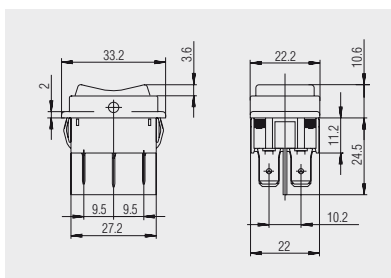
X	Y	Z
0.75 ... 1.25	30 ^{-0.1}	22 ^{+0.2}
1.25 ... 2	30.2 ^{-0.1}	22 ^{+0.2}
2 ... 3	30.6 ^{-0.1}	22 ^{+0.2}



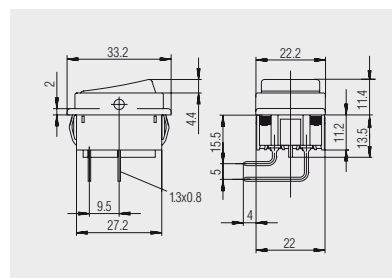
Quick-connect terminal 4.8
basic types 1832 and 1834



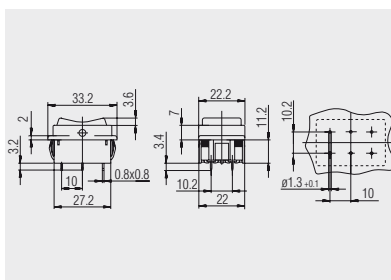
Quick-connect terminal 6.3
basic type 1832



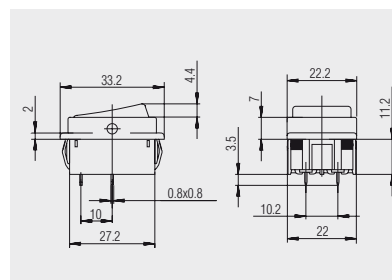
Quick-connect terminal 6.3
basic type 1839



PCB terminal angled
basic types 1832 and 1835



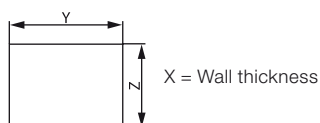
PCB terminal
basic type 1839



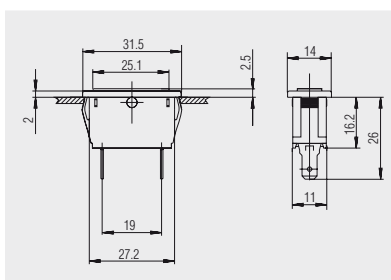
PCB terminal
basic types 1832 and 1835



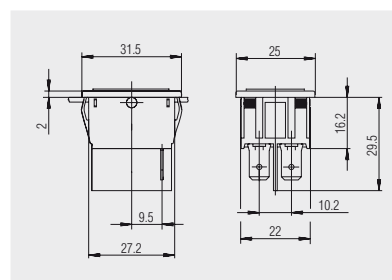
Basic type 1837
Lamp
single and double-pole



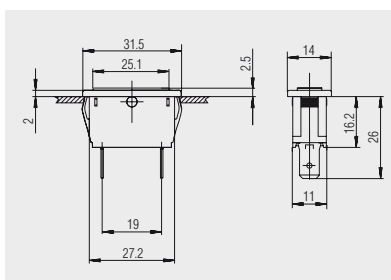
X	Y	Z
0.75 ... 1.25	30 ^{-0.1}	22 ^{+0.1}
1.25 ... 2	30.2 ^{-0.1}	22 ^{+0.1}
2 ... 3	30.6 ^{-0.1}	22 ^{+0.1}



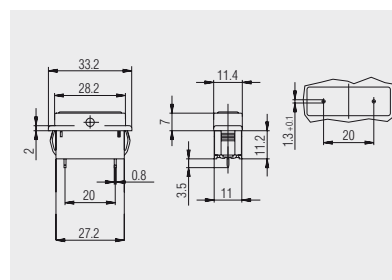
Quick-connect terminal 4.8
single-pole size



Quick-connect terminal 6.3
double-pole size



Quick-connect terminal 6.3
single-pole size



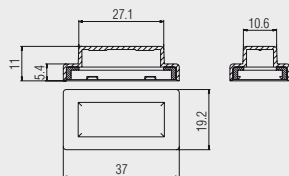
PCB terminal, lower lying
flange, 1837.2504

SERIES 1830 - SINGLE AND DOUBLE-POLE ROCKER SWITCHES

TO 20 (4) A 250 V AC



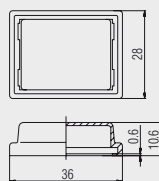
Protection cap
203.731.011



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.



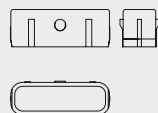
Protection cap
203.201.011



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.



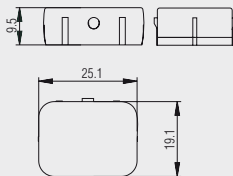
Dummy cap
203.146.051



Dummy cap for single-pole size of basic types 1830, 1831, 1833, 1837 and 1838 of PA black



Dummy cap
203.145.051



Dummy cap for double-pole size of basic types 1832, 1834, 1835, 1837 and 1839 of PA black

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MICRO-SIGNAL SWITCHES

SENSORS