



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	



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double-pole 		ON / OFF switch (DPST)		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
Lighting voltage (V)				400	400	250	250	250	250	250	250	125 - 250	125	125	12			
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				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)				≥ 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										belows anthracite								
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 N' DRIVE



double-pole 		ON / OFF switch (DPST)	
Lighting voltage (V)		1932.3114	
Actuator color / printing		1932.3116	
Housing color		1932.3118	
20 (4) A 250 V AC 1E4		1932.3130	
12 (4) A 250 V AC 1E4		1932.3131	
10 (8) A 400 V AC 5E4		1932.3132	
10 (8) A 250 V AC 5E4		1932.3136	
10 A 12 V DC		1932.3137	
6 (4) A 250 V AC 5E4		1932.3412	
16 A 250 V AC 1 HP		Normally closed contact (DPNC)	
16 A 125 V AC 3/4 HP		1932.3312	
16 A 125 V AC 1/3 HP		1932.3314	
14 A 250 V AC 3/4 HP		Normally open contact (DPNO)	
14 A 250 V AC 1/2 HP		1935.3218	
14 A 125 V AC 1/3 HP		1932.3413	
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			



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double-pole 		Changeover switch (DPDT)		1934.3112	1934.3114	1934.2114	Changeover switch with OFF position in the center (DPDT - Center OFF)		1939.3119	1939.3125	1939.3312	1939.3314	1939.3318	1939.0454
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				6.3	6.3				6.3	6.3	6.3	6.3	6.3	
Contact distance (mm)				≥ 3	≥ 3	≥ 3			≥ 3	≥ 3	< 3	< 3	< 3	< 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														

ROCKER SWITCHES

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SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

SENSORS

ECO

PUSH 'N' DRIVE

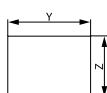


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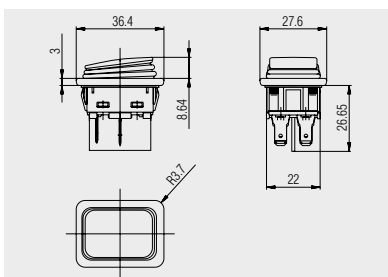


Basic types 1932, 1934, 1935 and 1939 double-pole

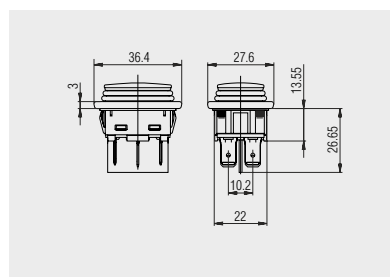


X = Wall thickness

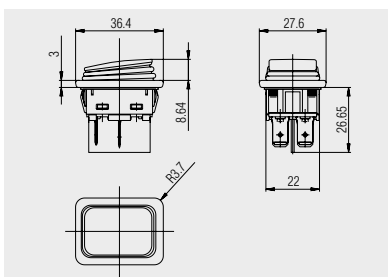
x	y	z
0.75 ... 1.25	30 ^{-0.1}	22 ^{+0.2}
1.25 ... 3	30.2 ^{-0.1}	22 ^{+0.2}



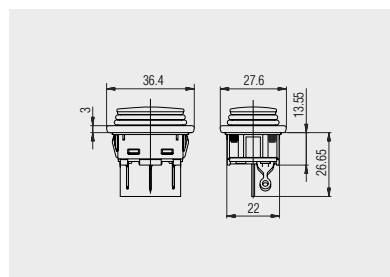
Quick-connect terminal 4.8 x 0.8
basic type 1932



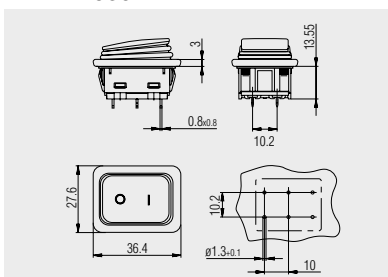
Quick-connect terminal 6.3 x 0.8
basic type 1939



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

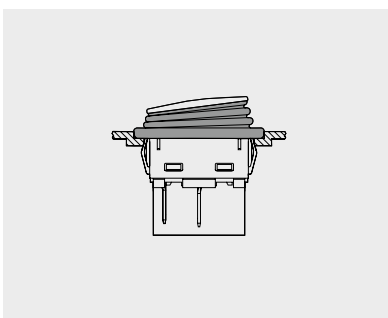


Solder terminal
basic type 1939



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

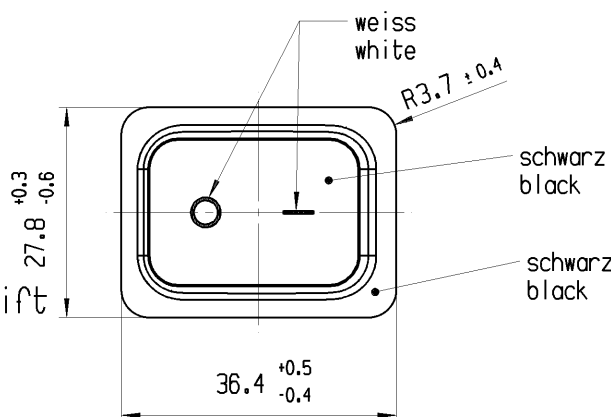
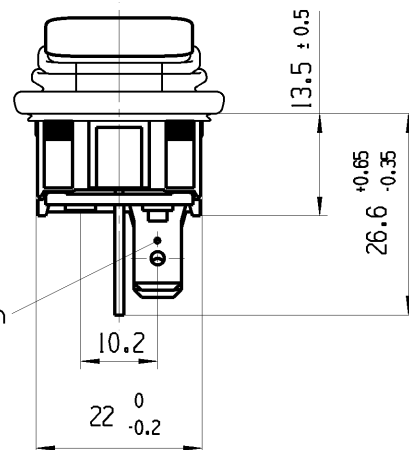
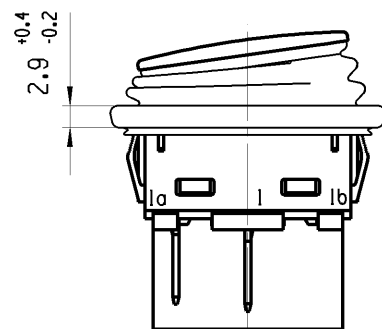
Block connector for cable connection for the double-pole versions of the rocker switch series 1830 und 1930.

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

1	2	3	4
Empfohlener Ausschnitt fuer Rastbefestigung IGrat gegenueber Bestueckungsseite recommended cut-out for snap-in fixing (ledge opposite to snap-in direction)	Wanddicke wall thickness	Ausschnittlaenge length of cut-out	Ausschnittbreite width of cut-out
	0.75 bis / to 1.25 1.25 bis / to 3	30 ^{+0.1} 30.2 ^{+0.1}	22 ^{+0.2} 22 ^{+0.2}

Die in unseren Unterlagen angegebene IP Schutzklasse bezieht sich auf die Betaetigungsseite des Schalters, wenn dieser in das Kundengerat eingebaut ist. Die Abdichtung zwischen Schalter und Kundengerat kann ueber die umlaufende Dichtlippe der Betaetigungskappe erfolgen. Die Montage in das Kundengerat und die Pruefung auf Dichtheit an dieser Stelle erfolgen kundenseitig. Schalter mit beschaedigten Betaetigungskappen muessen sofort ausgetauscht werden.

The IP-protection class mentioned in our documents refers to the actuating side of the switch when mounted into the customer appliance. The sealing between switch and customer appliance is realizable through the surrounding sealing lip of the actuating cap. The mounting into the customer appliance and the testing of the tightness have to be effected by the customer. Switches with damaged actuating caps have to be replaced immediately.



Aufschrift
Marking



193..
10(81)/250 ~ 5E4
20(41)/250 ~ T105/55
5/120A 250V ~



16A 125-250V AC
3/4 HP 125V AC
1 HP 250V AC
R188



1 — 2

Herstellort/-jahr/-woche nach DIN EN 60062
code of manufacture: place/year/week acc. to DIN EN 60062

Auf Verpackung / on box: G

Ausschalter 1-polig
Fuer Gerate der Klasse II geeignet

SPST
suitable for appliances of class II

G-Konform nach IEC 60335-1:2001 Kap. 30
G-matching IEC 60335-1:2001 clause 30

fuer Form und Lage FOR SHAPE AND LOC.	⊙ =	Allgemeintoleranzen UNTOLERANCED DIMENSIONS						Pause COPY	Blatt SHEET 01	TYP K	Zeichn./DRAWING NO. 19323412	Index d	
		PROJEKTION	Abmasse und Nennmassbereiche Angaben in mm		Laenge LENGTH	Radien RADI							
		ALL DIMENSIONS ARE IN MILLIMETRES	0-6 ± 0.15 ± 0.2 ± 0.3 ± 0.5	± 0.2 ± 0.3 ± 0.5 ± 10%									
fuer Winkel FOR ANGLE ± 2							0	10	20	30mm	GERAETESCHALTER		
c	57621	05.05.08	HHE				CAD: NX V4.0					appliance switch	
b	39865	10.03.04	HHE				gez./DRAWN BY 05.05.08 HHE					MARQUARDT	
a	36495	17.06.03	HHE				gepr./CHECKED BY						
	33282	14.02.02	GRH	d	59503	29.07.08	HHE	Ersatz fuer/REPLACEMENT OF Zg.gl.Nr.v.14.02.2002					
Ausg. ISSUE	Aenderung REVISION	gez. DRAWN BY		Ausg. ISSUE	Aenderung REVISION	gez. DRAWN BY							