



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



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	ON / OFF switch (DPST)											
	1932.3114	1932.3116	1932.3118	1932.3130	1932.3131	1932.3132	1932.3136	1932.3137	1932.3412	Normally closed contact (DPNC)		
Lighting voltage (V)										1932.3312	1932.3314	Normally open contact (DPNO)
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
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	Ag	Ag	Ag
EN 60335 cap. 30 conform "G"												
Miscellaneous					bellows white		bellows red		single-pole occupied			
Stock version												

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MIKRO-SIGNALSCHALTER

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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			1939.3119		
Actuator color / printing		1934.3114			1939.3125		
Housing color		1934.2114			1939.3312		
20 (4) A 250 V AC 1E4					1939.3314		
12 (4) A 250 V AC 1E4					1939.3318		
10 (8) A 400 V AC 5E4					1939.0454		
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							

ROCKER SWITCHES

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MICRO-SIGNAL SWITCHES

SENSORS

ECO

PUSH N' DRIVE

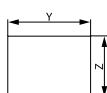


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TO 20 (4) A 250 V AC

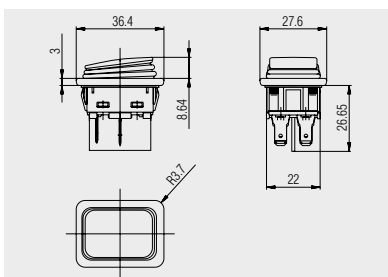


Basic types 1932, 1934, 1935 and 1939 double-pole

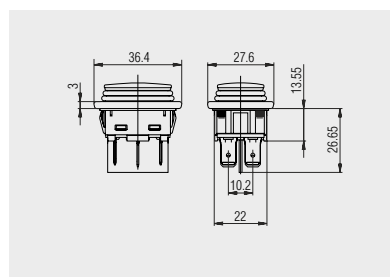


X = Wall thickness

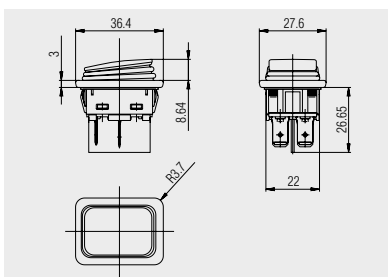
x	y	z
0.75 ... 1.25	30 ^{-0.1}	22 ^{+0.2}
1.25 ... 3	30.2 ^{-0.1}	22 ^{+0.2}



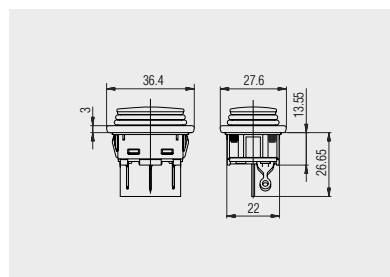
Quick-connect terminal 4.8 x 0.8
basic type 1932



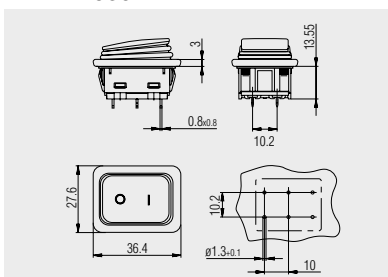
Quick-connect terminal 6.3 x 0.8
basic type 1939



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

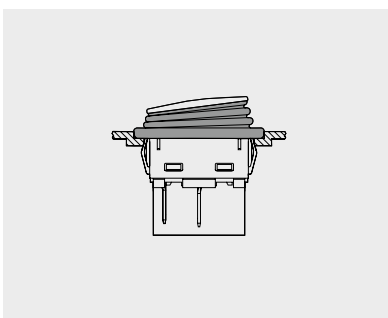


Solder terminal
basic type 1939



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

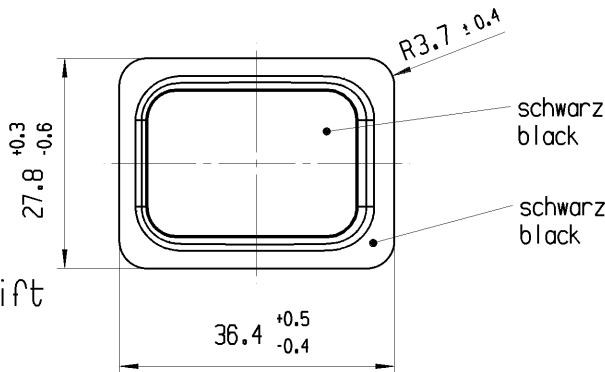
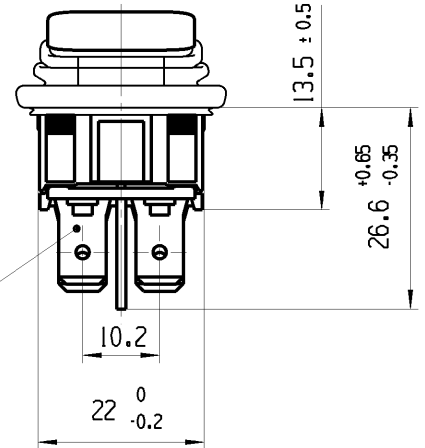
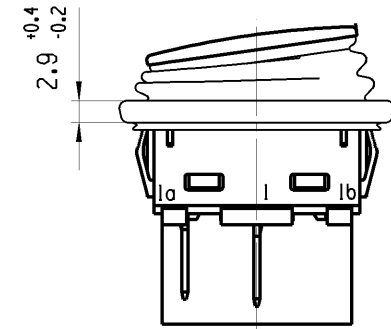
Block connector for cable connection for the double-pole versions of the rocker switch series 1830 und 1930.

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



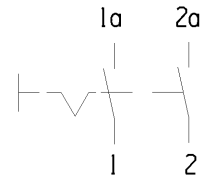
193..
10(18)/250 ~ 5E4
20(14)/250 ~ T105/55
5/120A 250V ~



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



1 — 2



Ausschalter 2-polig
Fuer Geraete der Klasse II geeignet

DPST
suitable for appliances of class II

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

fuer Form und Lage FOR SHAPE AND LOC.			Allgemeintoleranzen UNTOLERANCED DIMENSIONS					Pause COPY	Blatt SHEET 01		TYP K	Zeichn./DRAWING NO. 19323113	Index c
			PROJEKTION	Abmasse und Nennmassbereiche Angaben in mm		Laenge LENGTH	Radien RADII		Original	Masstab			
fuer Winkel FOR ANGLE ± 2			ALL DIMENSIONS ARE IN MILLIMETRES	0-6	± 0.15	± 0.2		Din A4	SCALE 1 : 1 30mm	GERAETESCHALTER appliance switch			
				>6-15	± 0.2	± 0.3							
				>15-30	± 0.25	± 0.5							
				>30-70	± 0.4								
				>70-120	± 0.6	± 10%							
			>120-200	± 1.0									
c	57621	05.05.08	HHE				CAD: NX V4.0						
b	39865	10.03.04	HHE				gez./DRAWN BY 05.05.08 hhe						
a	36495	17.06.03	HHE				gepr./CHECKED BY						
	34942	22.10.02	HHE				Ersatz fuer/REPLACEMENT OF Zg.g l.Nr.v.22.10.2002						
Ausg. ISSUE	Aenderung REVISION	gez. DRAWN BY		Ausg. ISSUE	Aenderung REVISION	gez. DRAWN BY				MARQUARDT			

MARQUARDT