



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	



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 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	EN 60335 cap. 30 conform "G"	Miscellaneous	Stock version
	ON / OFF switch (DPST)												
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	

ROCKERSWITCHES

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

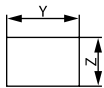


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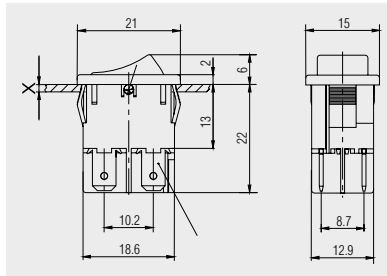


Basic type 1858
double-pole

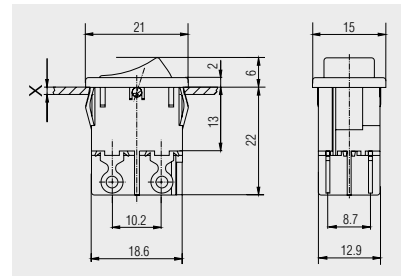


X = Wall thickness

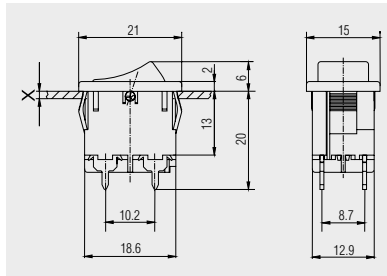
x	y	z
0.75 ... 1.25	19.2 ^{-0.1}	12.9 ^{+0.1}
1.25 ... 2	19.4 ^{-0.1}	12.9 ^{+0.1}
2 ... 3	19.8 ^{-0.1}	12.9 ^{+0.1}



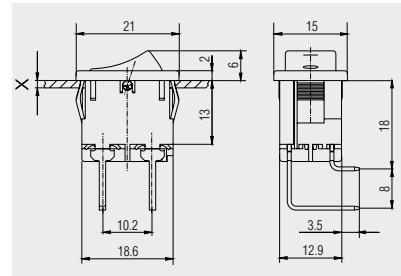
Quick-connect terminal 4.8 x 0.8



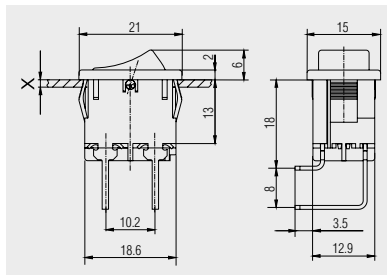
Solder terminal



PCB terminal



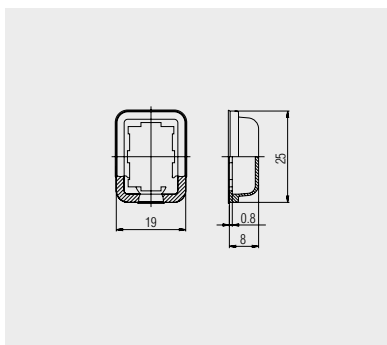
PCB terminal angled to
terminal side 1



PCB terminal angled to
terminal side 2

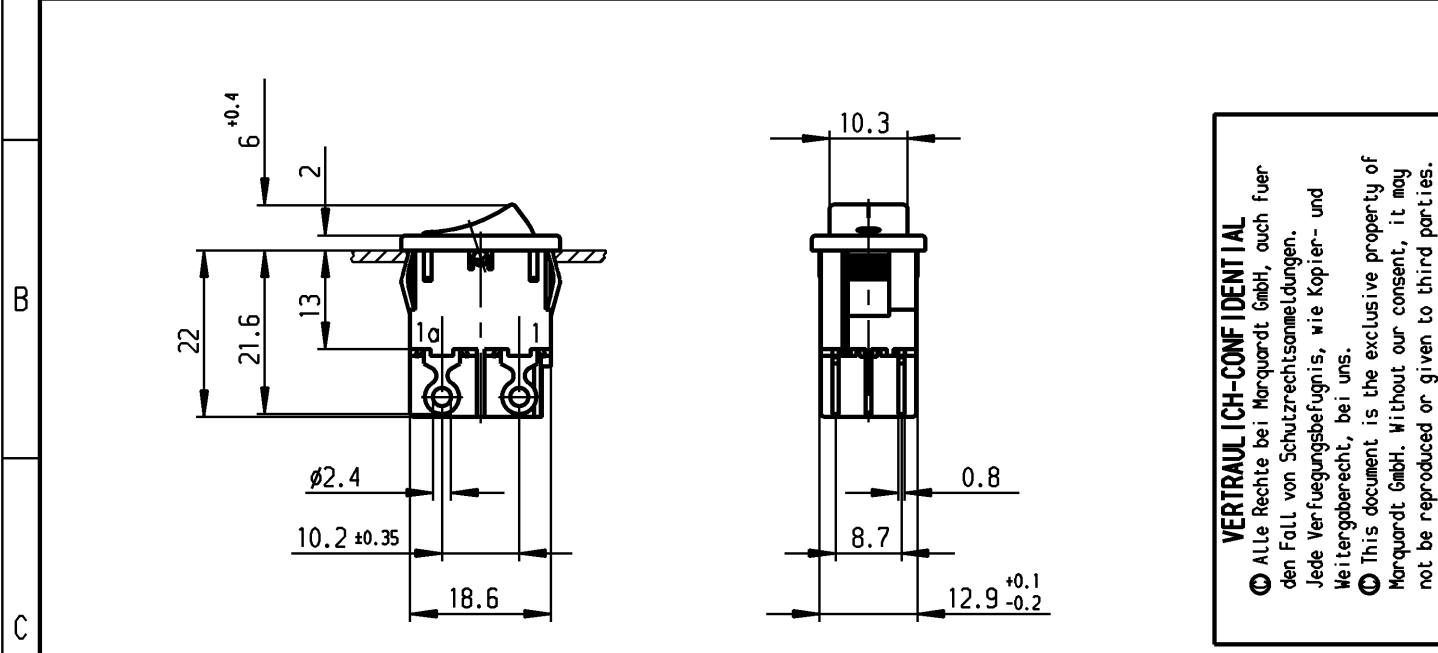


Protection cap
203.089.011

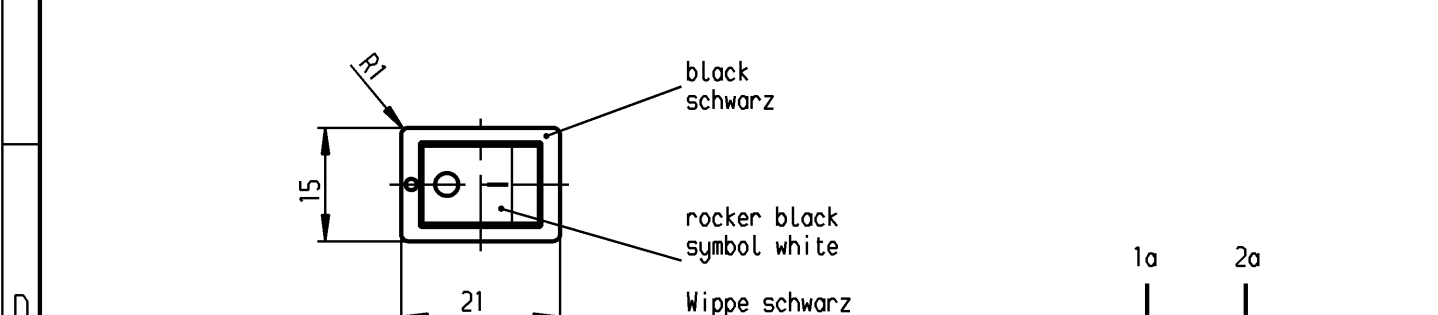


Transparent PVC-protection cap.
Serves as dust and water protection
of the actuation side.

1	2	3	4	
A	recommended cut-out for snap-in fixing (edge opposite to snap-in direction) Empfohlener Ausschnitt für Rastbefestigung (Grat gegenüber Bestückungsseite)	wall thickness Wanddicke	length of cut-out Ausschnittlänge	width of cut-out Ausschnittbreite
		0.75 to / bis 1.25	19.2 -0.1	12.9 +0.1
		1.25 to / bis 2	19.4 -0.1	12.9 +0.1
		2 to / bis 3	19.8 -0.1	12.9 +0.1



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Marking
Aufschrift
 (M)
 1858.
 6(4)/250 ~5E4
 10(4)/250 ~
 5/100A 250V ~

12A 125-250V AC
 1/3 HP 125V AC
 1/2 HP 250V AC
 R138

date code of manufacture: year/week acc. to DIN EN 60062
 Herstelljahr/-woche nach DIN EN 60062

on box: G
 Auf Verpackung: G

DPST
 suitable for appliances of class II
 protected according to DIN 40 050, IP40

Ausschalter 2polig
 Für Geräte der Klasse II geeignet
 Geschützt entsprechend DIN 40 050, IP40

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

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Allgemeintoleranzen/UNTOLERANCED DIMENSIONS				PROJECTION		Pause COPY	Blatt SHEET	Zeichn./DRAWING NO.	
Für Längen und Radien FOR LENGTHS AND RADII.	Abmaße in mm für Nennmaßbereich in mm ALL DIMENSIONS ARE IN MILLIMETRES						Original DIN A4	Maßstab SCALE 1:1	K 1858.0103
	bis/UP TO 6	über/OVER 6 bis/UP TO 30	über/OVER 30						
	± 0.2	0.4	.						
d	26981	02.02.99	Mut	i					Appliance Switch Geräteschalter
c	25590	08.12.97	Mut	h					
b	25455	04.11.97	Mut	g	47886	28.06.06	Mut	gez./DRAWN BY 01.07.94 Mut gepr./CHECKED BY Stl	
a	22997	17.10.94	Mut	f	41634	30.11.04	hhe	Ersatz für/REPLACEMENT OF	
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