



SERIES 1080 - MINIATURE SNAP-ACTION SWITCHES

TO 21 (8) A 250 V AC



PRODUCT FEATURES

- The precise mounting of the moving contact part (milled bearing blade) offers optimum snap-action even with slow actuation
- Wide range of ratings from 3 (1) A 250 V AC to 21 (8) A 250 V AC
- Versions with gold plated contacts for signal current applications
- Various auxiliary actuators, two suspension points

ON REQUEST

- Low operating forces (≤ 0.15 N)
- Customized additional actuators
- Plug terminal 4.8 x 0.5 mm

Design	DIN 41635 A
Mechanical life endurance	2E6 (basic type 1080) 20E4 (basic type 1085)
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 (actuator side)
Ambient temperature	-40 °C ... +125 °C
Flammability	UL 94 V-0
Glow wire test temperature	850 °C
Material actuator additional actuator housing terminals	PETP glass fiber-reinforced stainless steel PA glass fiber-reinforced / PETP glass fiber-reinforced silver plated / CuZn
Bounce time	< 10 ms
Approval marks	 /  / 
Suitable for appliances of protection class II under compliance with the installation conditions required on the equipment 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 'N' DRIVE

T0 21 (8) A 250 V AC

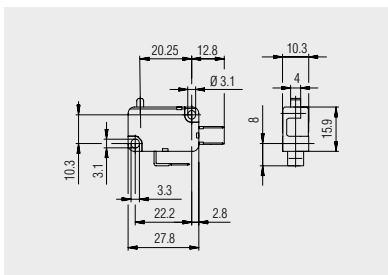


SERIES 1080 - MINIATURE SNAP-ACTION SWITCHES

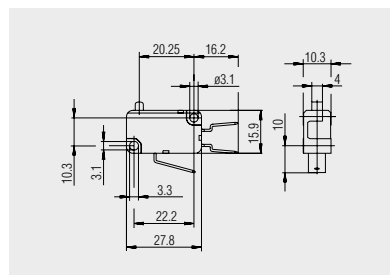
T0 21 (8) A 250 V AC



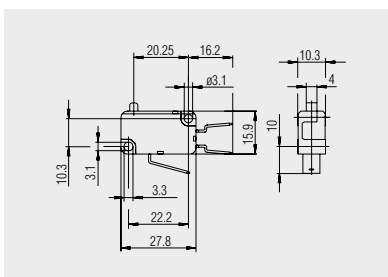
Terminal variants



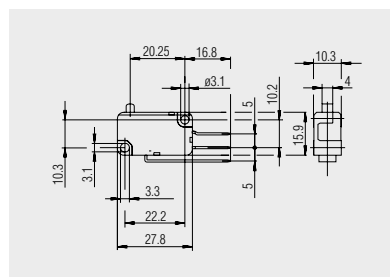
Quick-connect terminal 4.8 x 0.5 special version straight



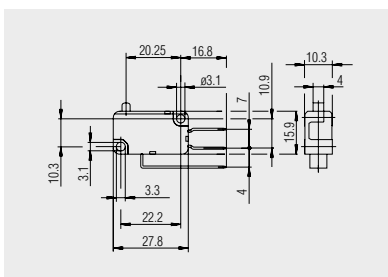
Quick-connect terminal 4.8 x 0.8



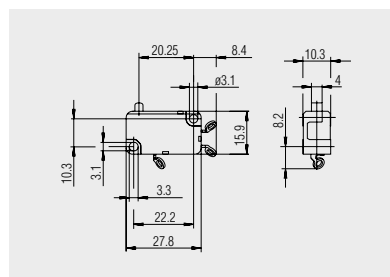
Quick-connect terminal 6.3 x 0.8



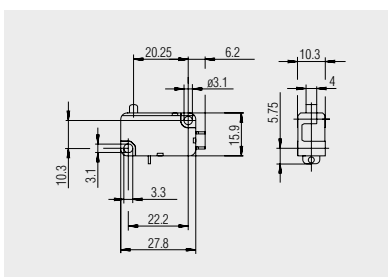
Quick-connect terminal 6.3 x 0.8 PITCH 5



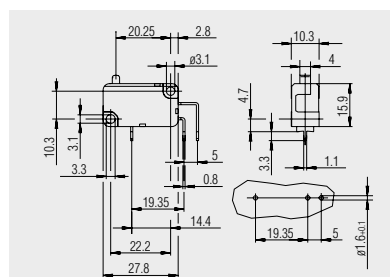
Quick-connect terminal 6.3 x 0.8 PITCH 7



Solder terminal



Short solder terminal



PCB terminal standing

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

SENSORS

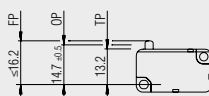
ECO

PUSH 'N' DRIVE



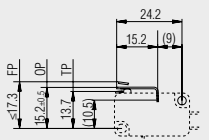
SERIES 1080 - MINIATURE SNAP-ACTION SWITCHES

T0 21 (8) A 250 V AC

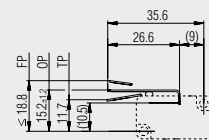


FP: free position
OP: operating position
TP: permissible total travel position

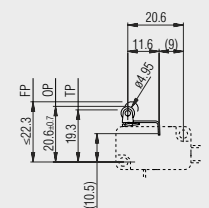
Switching positions



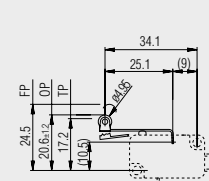
L01: straight lever
191.080.091



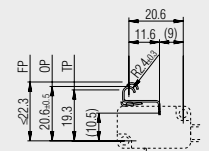
L02: straight lever
191.080.101



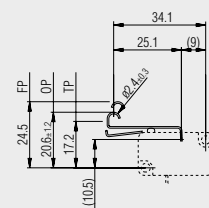
L11: roller lever
191.079.013



L12: roller lever
191.079.023



L21: simulated roller
191.080.451



L22: simulated roller
191.080.471

Auxiliary actuators

ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

TACT AND KEY SWITCHES

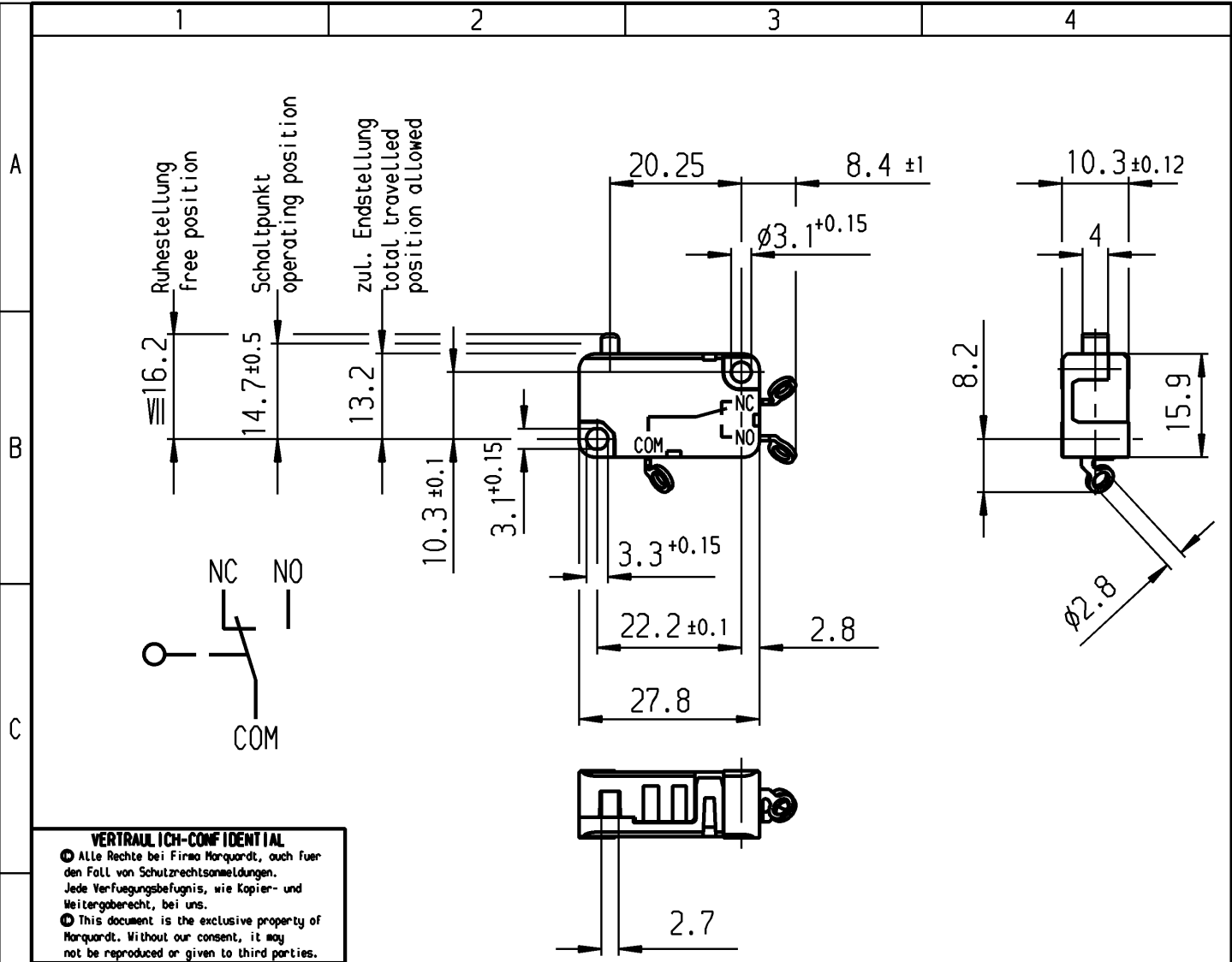
SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

SENSORS

ECO

PUSH'N'DRIVE



Aufschrift Marking

MARQUARDT

1085 μ T125

16(4)/250~25E3



16A 125V AC 1/2HP

16A 250V AC 1/2HP

R109



Herstelljahr/-woche nach
year and week of production acc. to DIN EN 60062

Wechsler 1-polig single pole changeover

Schalt-Betätigungskraft
actuating force $\leq 4.0 \text{ N}$

Rückschaltkraft
release force $\geq 1.4 \text{ N}$

Differenzweg
movement differential $\leq 0.3 \text{ mm}$

Schutzklasse nach DIN 40 050
protection class IP 40

Allgemeintoleranzen/UNTOLERANCED DIMENSIONS					PROJECTION 		Pause COPY	Blatt SHEET		Zeichn./DRAWING NO. K 1085.0103
Für Längen und Radien FOR LENGTHS AND RADII. ±	Abmaße in mm für Nennmaßbereich in mm ALL DIMENSIONS ARE IN MILLIMETRES			Für Winkel FOR ANGLE ± 2°				Original DIN	Maßstab SCALE	
	bis/UP TO 6	über/OVER 6 bis/UP TO 30	über/OVER 30		A4	1:1				
	0.2	0.3								
d	32889	04.12.01	vor	i			0 10 20 30 mm		Schnappschalter Snap Action Switch	
c	24233	15.01.98	gc	h			gez./DRAWN BY 07.03.94 lm			
b	23384	08.06.95	mk	g						
a	22987	04.10.94	mk	f						
				e	63606	14.07.09	Ersatz für/REPLACEMENT OF		MARQUARDT Marquardt, D-78604 Rietheim-Weilheim	
Ausg. ISSUE	Anderung REVISION	gez. DRAWN BY		Ausg. ISSUE	Anderung REVISION	gez. DRAWN BY				