SERIES 5000 - ROUND PUSHBUTTON SWITCHES

FOR AT LEAST 200 000 MECHANICAL SWITCHING CYCLES



PRODUCT FEATURES

- Attractive, round pushbutton switch
- Efficient contact system at least 200 000 mechanical switching cycles
- Variants with sealing cap for IP 54 dust and water protection
- Appliance cut-out with diameter 16 mm, alternatively with fixing pin

ON REQUEST

- Other colors
- Actuator printing
- Snap-on for greater wall thickness
- Cable assembly

Mechanical life endurance		20E4
Proof tracking		250 PTI
Protection type		IP 40 IP 54 (in variants with sealing cap)
Ambient temperature		terminal side -20 °C ... +85 °C actuating side -20 °C ... +55 °C
Flammability		UL 94 V-2
Glow wire test temperature		850 °C
Material	actuator housing terminals	PA glass fiber-reinforced PA glass fiber-reinforced silver plated
Plug force of the terminals		≤ 64 N
Approval marks		/ /
Suitable for appliances of protection class II		





SERIES 5000 - ROUND PUSHBUTTON SWITCHES

FOR AT LEAST 200 000 MECHANICAL SWITCHING CYCLES

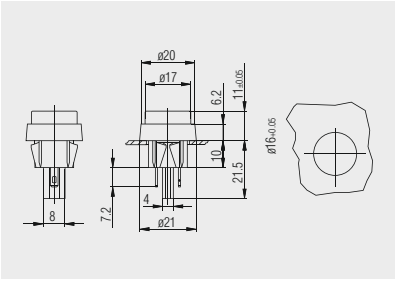


single-pole

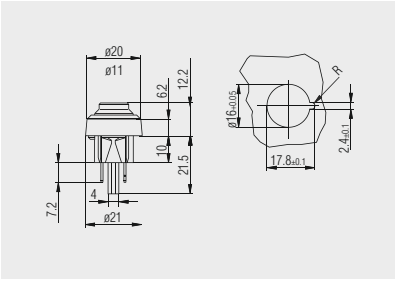
	Actuator color / printing	Housing color	4 (2) A 250 V AC 5E4	4 A 125 V AC 1/10 HP	2 A 250 V AC 1/10 HP	Terminal type	Terminal description	Contact distance in mm	Contact material	Pretravel max. in mm	Total travel / stroke in mm	Miscellaneous	Stock version
Normally open contact (SPNO)													
5000.0101			●	●	●		2.8	≥ 3	Ag	2.0 ±0.4	4.0		●
5000.0103			●	●	●		2.8	≥ 3	Ag	2.0 ±0.4	4.0		●
5000.0104			●	●	●		2.8	≥ 3	Ag	2.0 ±0.4	4.0		●
5000.0211			●	●	●		2.8	≥ 3	Ag	2.0 ±0.4	4.0	fixing pin	●
5000.0212			●	●	●		2.8	≥ 3	Ag	2.0 ±0.4	4.0	fixing pin	
5000.0501			●	●	●		2.8	≥ 3	Ag	2.0 ±0.4	4.0	fixing pin with IP 54 sealing cap	



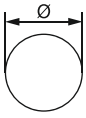
Basic type 5000



Quick-connect terminal 2.8 x 0.8

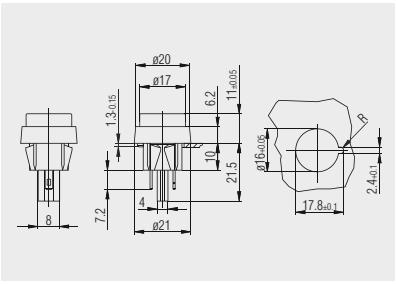


Quick-connect terminal 2.8 x 0.8
(with fixing pin and IP 54 sealing cap)
5000.0501



X = wall thickness

X	Ø
1.4 ... 1-7	16.0 +0.05



Quick-connect terminal 2.8 x 0.8
(with fixing pin)
5000.0211 and 5000.0212

APPROVAL MARKS

	ENEC 05 (KEMA)		UL (USA)
	ENEC 10 (VDE)		UL (USA + Canada)
	VDE		CSA (Canada)
			CSA (Canada + USA)

TERMINAL SYMBOLS

	Quick-connect terminal		Cable
	Solder terminal		Terminal strip
	Short solder terminal		Push-in terminal
	PCB terminal		Snap-in terminal
	PCB terminal angled to left		Cut terminal
	PCB terminal angled to right		Screw terminal
	Socket terminal		

ACTUATOR SYMBOLS

	Straight lever		Lever simulated roller with adjusting screw
	Lever simulated roller		Lever with adjusting screw and roller
	Lever with roller		Lever with cams
	Differential lever		Housing cams
	Spring lever		Pushbutton
	Spring lever bent		Rotary shaft
	Spring lever with molded spring cam		Standard actuator
	Lever with adjusting screw		Mushroom-shaped actuator

ABBREVIATIONS TECHNICAL DRAWINGS

ad	Adjustable	**OP**	Operating position
AN	Anode	**OP NC**	Operating position normally closed contact
BL	Block	**OP NO**	Operating position normally open contact
FH	Fixing hole, locating hole fixing pin	**OR**	On request
FI	Fields for function indicator	**RC**	Recommended cut-out
FP	Free position	**RL**	Reference level
FX	Fixing pin	**SH**	Snap-in hole
ju	Adjusted	**SL**	Symbol limit
MC	Marking cathode	**SP**	Solder pads
MF	Mounting frame	**ST**	Slide travel
MP	Measuring point	**SW**	Switching position
OFF	Off	**TH**	Terminal hole
off-range	Zero position	**tk**	Thick
OG	Operating range	**to**	Top
ON	On	**TP**	Total travel position

SWITCHING FREQUENCY (ABBREVIATIONS)

e.g. 5E4 switching cycles ≙ **50 000** switching cycles