

SERIES 1660 - SINGLE AND DOUBLE-POLE PUSHBUTTON SWITCHES

TO 16 (4) A 250 V AC



PRODUCT FEATURES

- ◆ Illuminated and non-illuminated pushbutton switch
- ◆ Proven jump contact switching system (double interrupting)
- ◆ Opening and closing speed independent of the actuating speed
- ◆ Product-dependent with external lamp connection

ON REQUEST

- ◆ Other colors
- ◆ Other printing variants
- ◆ Other connection types
- ◆ Other lamp variants
- ◆ Cable assembly

Mechanical life endurance	5E4
Contact resistance (new condition)	< 100 mOhm (1 A 12 V DC)
Insulation resistance (new condition)	> 100 MOhm (500 V DC)
Voltage strength at 250 V	1 500 V function insulation / basic insulation 3 000 V reinforced insulation 500 V small contact distance
Proof tracking	250 PTI
Insulation spacing	acc. to EN 61058 for reinforced or double insulation
Protection type	IP 40
Ambient temperature	connection side -20 °C ... +85 °C actuating side -20 °C ... +55 °C
Flammability	UL 94 V-2
Heat and fire resistance	850 °C (category D)
Material	actuator PA / PC (product-dependent) housing PA / PA glass fiber-reinforced (product-dependent) connections Cu / silver-plated
Plug force of the terminals	≤ 80 N
Approval marks	 /  (depending on product) / 
Suitable for appliances of protection class II	



ROCKER SWITCHES

PUSHBUTTON SWITCHES

TOGGLE SWITCHES

SLIDE SWITCHES

ROTARY SWITCHES

FOOT SWITCHES

POWER TOOL SWITCHES

TACT AND KEY SWITCHES

SNAP-ACTION SWITCHES

MICRO-SIGNAL SWITCHES

SENSORS

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TO 16 (4) A 250 V AC

 single-pole		Voltage lamp in V	Actuator color / printing	Housing color	16 (4) A 250 V AC 1E4	16 (4) A 250 V AC	12 (4) A 250 V AC 1E4	12 A 250 V AC 1/2 HP	12 A 125 V AC 1/6 HP	Connection type	Connection description	Contact distance in mm	Contact material	Miscellaneous	Stock version
Normally open contact (SPNO)															
1665.3101	230			●						6.3 / 2 x 4.8	≥ 3	Ag	external lamp connection		
1665.3102	230			●						6.3 / 2 x 4.8	≥ 3	Ag	external lamp connection	●	
ON/OFF switch (SPST)															
1662.0201				●						6.3	≥ 3	Ag		●	
1662.0203				●						6.3	≥ 3	Ag			
Normally open contact (SPNO)															
1662.0101				●						6.3	≥ 3	Ag		●	
1662.0102				●						6.3	≥ 3	Ag			
Changeover switch (SPDT momentary)															
1664.0101					●					4.8	< 3	Ag		●	
 double-pole		Voltage lamp in V	Actuator color / printing	Housing color	16 (4) A 250 V AC 1E4	16 (4) A 250 V AC	12 (4) A 250 V AC 1E4	12 A 250 V AC 1/2 HP	12 A 125 V AC 1/6 HP	Connection type	Connection description	Contact distance in mm	Contact material	Miscellaneous	Stock version
ON/OFF switch (DPST)															
1660.0201	230			●						6.3	≥ 3	Ag		●	
1660.0202	230			●						6.3	≥ 3	Ag		●	
1660.0203	230			●						6.3	≥ 3	Ag			
1660.3202	230			●						6.3 / 2 x 4.8	≥ 3	Ag	external lamp connection	●	
1660.0222	110							●		6.3	≥ 3	Ag			
1661.0201				●						6.3	≥ 3	Ag		●	
1661.0220					●		●	●		6.3	≥ 3	Ag			