

Push Button Switch

multicomp PRO

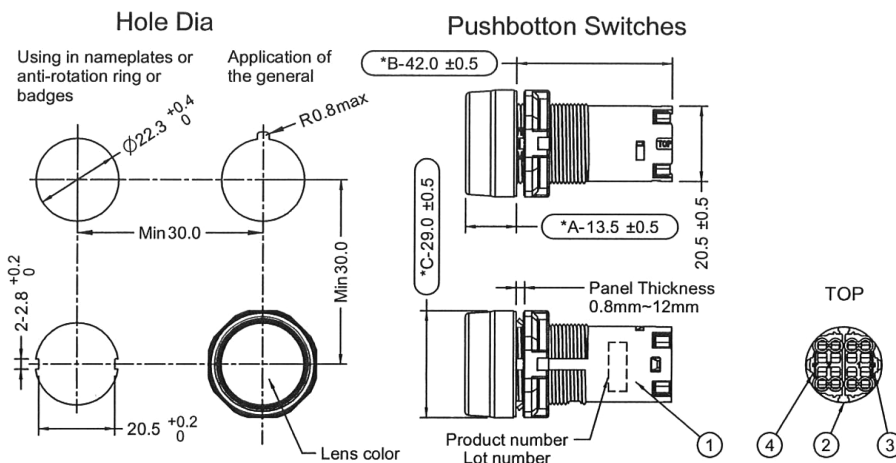
**RoHS
Compliant**



Specifications

Mechanical life	: >500,000 operations
Electrical life	: >100,000 operations
Electrical durability	: 1,000,000 cycles AC-15, 230V/1.6A 1,000,000 cycles DC-13, 24V/0.6A
Rate insulation voltage	: 400V
Rated thermal current	: 8A
Contact resistance	: 100mΩ max. (at 1A 6-8V DC)
Insulation resistance	: 100MΩ min. (at 500V DC)
Dielectric strength	: 2000V AC 50/60 Hz for 1 min
Degree of protection	: IP66, Type 4X indoor use only & Type 13 IP30 (under Panel)
Storage temperature	: -40°C to 85°C
Operating temperature	: -25°C to 70°C
Operating humidity	: 45% to 85% RH
Wire diameter	: 16 AWG to 26 AWG, 0.2mm ² to 1.5mm ²
Stripping length	: 8mm

Diagram



Contact Ratings

Dimensions : Millimetres

Rated Insulation Voltage (Ui)		400V				
Rated Terminal Current (Ith)		8A				
Operation Voltage (Ue)		12V	30V	120V	240V	380V
AC 50/60 Hz	Resistive load (AC-12) (Ie)	8A	8A	8A	6A	3.8A
	Inductive load (AC-15) (Ie)	8A	8A	6A	3A	1.9A
Rate Operational Voltage (Ue)		12V	30V	125V	250V	400V
DC	Resistive load (DC-12) (Ie)	2.5A	2.5A	1.1A	0.55A	0.3A
	Inductive load (DC-13) (Ie)	2.5A	2.3A	0.55A	0.27A	0.15A

Newark.com/multicomp-pro
 Farnell.com/multicomp-pro
 sg.element14.com/b/multicomp-pro

multicomp PRO

Push Button Switch

Component

Item	Name	Material	Number
1	MPCP2B-A1E	--	1
2	Partition	PA66	
3	Contact 1	--	
4	Contact 2		
	Empty contact	PA66+G20	

Contact Block Mounting Position

Configuration	Contact	Position	Operation Position		Contact Part
			Free	Push	
10	1	NO		•	SCP2-E10P
	2	--			Empty Contact
20	1	NO		•	SCP2-E10P
	2				
01	1	NC	•		SCP2-E01P
	2	--			Empty Contact
02	1	NC	•		SCP2-E01P
	2				
11	1	NO		•	SCP2-E10P
	2	NC	•		

Part Number Table

Description	Part Number
Pushbutton Switch, Maintained, Black, 1NO, 24V	MPCP2B-A1E10B
Pushbutton Switch, Maintained, Red, 1NO, 24V	MPCP2B-A1E10R
Pushbutton Switch, Maintained, Green, 1NO, 24V	MPCP2B-A1E10G
Pushbutton Switch, Maintained, Yellow, 1NO, 24V	MPCP2B-A1E10Y

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.