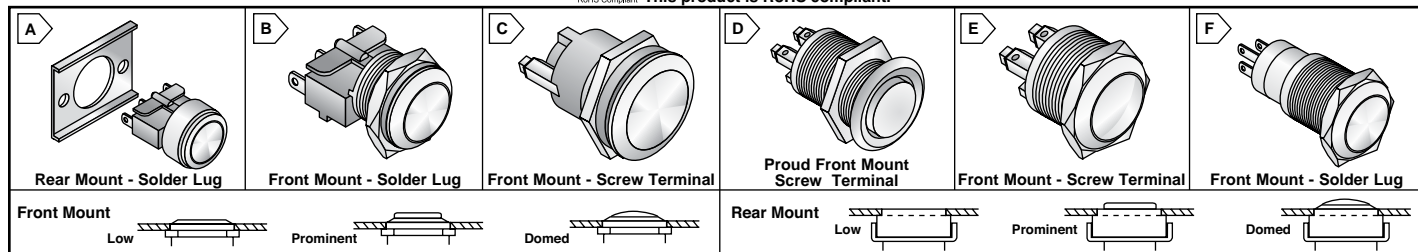


# BULGIN Pushbutton Switches



RoHS Compliant This product is RoHS compliant.



## BULGIN VANDAL-RESISTANT SWITCHES

### Specifications:

- Contact Resistance: <15mΩ
- Stainless Steel Manufacturing
- Insulation Resistance: >1000MΩ
- Termination: Solder Lug or Screw Terminal

\*117-MP0033 internally sealed against ingress of water and dust.

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Button Profile	Bezel Dia. (mm)	Type	Circuit	Rating	Mounting	Front Panel Sealing	Price Each			
										1	25	50	100
117-MP0034	MP0034	A	Low	19	SPCO	On-(On)	5A/250VAC	Rear Panel	None				
117-MP0031	MP0031	B	Low	21.5	SPCO	On-(On)	5A/250VAC	Front Panel	IP66				
117-MP0037	MP0037	C	Low	21.5	SPMB	Off-(On)	1A/50VAC	Front Panel	IP68				
117-MP0025	MP0025	A	Low	22	SPCO	On-(On)	5A/250VAC	Rear Panel	None				
117-MP0027	MP0027	B	Low	28	SPCO	On-(On)	5A/250VAC	Front Panel	None				
117-MP0038	MP0038	B	Low	28	SPCO	On-(On)	5A/250VAC	Front Panel	IP66				
117-MP0034/3	MP0034/3	A	Domed	19	SPCO	On-(On)	5A/250VAC	Rear Panel	None				
117-MP0031/3	MP0031/3	B	Domed	21.5	SPCO	On-(On)	5A/250VAC	Front Panel	IP66				
117-MP0037/3	MP0037/3	C	Domed	21.5	SPMB	Off-(On)	1A/50VAC	Front Panel	IP68				
117-MP0025/3	MP0025/3	A	Domed	22	SPCO	On-(On)	5A/250VAC	Rear Panel	None				
117-MP0027/3	MP0027/3	B	Domed	28	SPCO	On-(On)	5A/250VAC	Front Panel	None				
117-MP0038/3	MP0038/3	B	Domed	28	SPCO	On-(On)	5A/250VAC	Front Panel	IP66				
117-MP0034/2	MP0034/2	A	Prominent	19	SPCO	On-(On)	5A/250VAC	Rear Panel	None				
117-MP0031/2	MP0031/2	B	Prominent	21.5	SPCO	On-(On)	5A/250VAC	Front Panel	IP66				
117-MP0037/2	MP0037/2	C	Prominent	21.5	SPMB	Off-(On)	1A/50VAC	Front Panel	IP68				
117-MP0025/2	MP0025/2	A	Prominent	22	SPCO	On-(On)	5A/250VAC	Rear Panel	None				
117-MP0027/2	MP0027/2	B	Prominent	28	SPCO	On-(On)	5A/250VAC	Front Panel	None				
117-MP0038/2	MP0038/2	B	Prominent	28	SPCO	On-(On)	5A/250VAC	Front Panel	IP66				
117-MP0013	MP0013	D	Proud	22	SPMB	Off-(On)	1A/50VAC	Front Panel	None				
117-MP0033	MP0033	D	Proud	22	SPMB	Off-(On)	1A/50VAC	Front Panel	*				

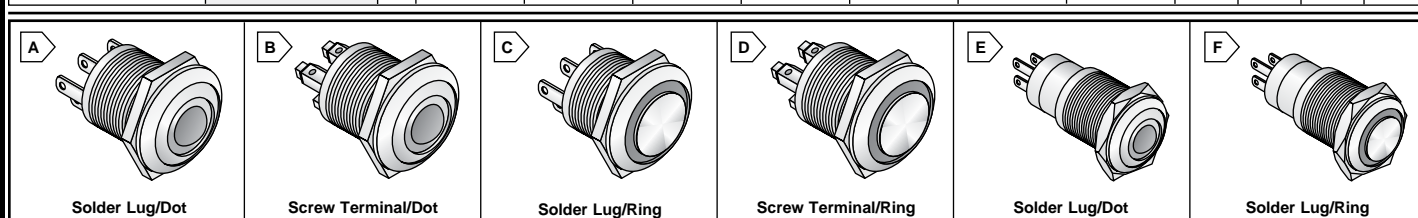
## BULGIN 16MM NON-ILLUMINATED PUSHBUTTON SWITCHES

### Specifications:

- Contact Resistance: 50mΩ @ 1A, 2VDC
- Dielectric Strength: >2.0K VAC
- 16mm dia. Mounting Hole
- Stainless Steel Manufacturing

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Button Profile	Bezel Dia. (mm)	Type	Circuit	Rating	Mounting	Front Panel Sealing	Price Each			
										1	25	50	100
117-MP0042/1	MP0042/1	E	Low	18	SPMB	Off-(On)	2A/48VDC	Front Panel	None				
117-MP0045/1DONN000	MP0045/1DONN000	F	Low	18	DPCO	On-(On)	3A/250VAC	Front Panel	None				
117-MP0045/1EONN000	MP0045/1EONN000	F	Low	18	DPCO	On-On	3A/250VAC	Front Panel	None				
117-MP0042/2	MP0042/2	E	Domed	18	SPMB	Off-(On)	2A/48VDC	Front Panel	None				
117-MP0042/3	MP0042/3	E	Prominent	18	SPMB	Off-(On)	2A/48VDC	Front Panel	None				
117-MP0045/3DONN000	MP0045/3DONN000	F	Prominent	18	DPCO	On-(On)	3A/250VAC	Front Panel	None				
117-MP0045/3EONN000	MP0045/3EONN000	F	Prominent	18	DPCO	On-On	3A/250VAC	Front Panel	None				



## BULGIN ILLUMINATED VANDAL-RESISTANT SWITCHES

### Specifications:

- Contact Resistance: <100mΩ
- Operating Temperature: -30°C to +70°C
- Electrical Operations: 35,000 min
- Insulation Resistance: >1000MΩ
- Mechanical Operations: 750,000 min

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Button Color/Type	Bezel Dia. (mm)	Type	Circuit	Rating	Mounting	Front Panel Sealing	Price Each			
										1	25	50	100
117-MPI001/28/BL	MPI001/28/BL	A	Blue/Dot	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66				
117-MPI001/28/GN	MPI001/28/GN	A	Green/Dot	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66				
117-MPI001/28/RD	MPI001/28/RD	A	Red/Dot	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66				
117-MPI001/TERM/BL	MPI001/TERM/BL	B	Blue/Dot	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66				
117-MPI001/TERM/GN	MPI001/TERM/GN	B	Green/Dot	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66				
117-MPI001/TERM/RD	MPI001/TERM/RD	B	Red/Dot	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66				
117-MPI002/28/BL	MPI002/28/BL	C	Blue/Ring	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66				
117-MPI002/28/GN	MPI002/28/GN	C	Green/Ring	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66				
117-MPI002/28/RD	MPI002/28/RD	C	Red/Ring	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66				
117-MPI002/TERM/BL	MPI002/TERM/BL	D	Blue/Ring	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66				
117-MPI002/TERM/GN	MPI002/TERM/GN	D	Green/Ring	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66				
117-MPI002/TERM/RD	MPI002/TERM/RD	D	Red/Ring	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66				

## BULGIN 16MM ILLUMINATED PUSHBUTTON SWITCHES

### Specifications:

- Contact Resistance: 50mΩ @ 1A, 2VDC
- 16mm dia. Mounting Hole
- Mechanical Operations: 200,000 min
- Electrical Operations: 30,000 min

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Bulgin Part No.	Fig.	Button Color/Type	Bezel Dia. (mm)	Type	Circuit	Rating	Mounting	Front Panel Sealing	Price Each			
										1	25	50	100
117-MP0045/1D1RD012	MP0045/1D1RD012	E	Red/Dot	18	DPCO	On-(On)	3A/250VAC	Front Panel	None				
117-MP0045/1D1GN012	MP0045/1D1GN012	E	Green/Dot	18	DPCO	On-(On)	3A/250VAC	Front Panel	None				
117-MP0045/1D1BL012	MP0045/1D1BL012	E	Blue/Dot	18	DPCO	On-(On)	3A/250VAC	Front Panel	None				
117-MP0045/1E1RD012	MP0045/1E1RD012	E	Red/Dot	18	DPCO	On-On	3A/250VAC	Front Panel	None				
117-MP0045/1E1GN012	MP0045/1E1GN012	E	Green/Dot	18	DPCO	On-On	3A/250VAC	Front Panel	None				
117-MP0045/1E1BL012	MP0045/1E1BL012	E	Blue/Dot	18	DPCO	On-On	3A/250VAC	Front Panel	None				
117-MP0045/1D2RD012	MP0045/1D2RD012	F	Red/Ring	18	DPCO	On-(On)	3A/250VAC	Front Panel	None				
117-MP0045/1D2GN012	MP0045/1D2GN012	F	Green/Ring	18	DPCO	On-(On)	3A/250VAC	Front Panel	None				
117-MP0045/1D2BL012	MP0045/1D2BL012	F	Blue/Ring	18	DPCO	On-(On)	3A/250VAC	Front Panel	None				
117-MP0045/1E2RD012	MP0045/1E2RD012	F	Red/Ring	18	DPCO	On-On	3A/250VAC	Front Panel	None				
117-MP0045/1E2GN012	MP0045/1E2GN012	F	Green/Ring	18	DPCO	On-On	3A/250VAC	Front Panel	None				
117-MP0045/1E2BL012	MP0045/1E2BL012	F	Blue/Ring	18	DPCO	On-On	3A/250VAC	Front Panel	None				

