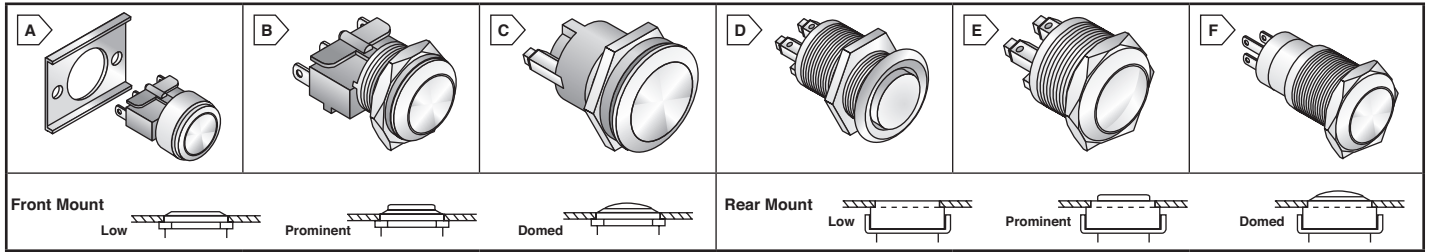


BULGIN Pushbutton Switches



RoHS Compliant This product is RoHS compliant.



BULGIN VANDAL-RESISTANT SWITCHES

Specifications:

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

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

For quantities greater than listed, 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	17.41	16.70	15.90	13.28
117-MP0031	MP0031	B	Low	21.5	SPCO	On-(On)	5A/250VAC	Front Panel	IP66	17.94	16.92	15.90	13.28
117-MP0037	MP0037	C	Low	21.5	SPMB	Off-(On)	1A/50VAC	Front Panel	IP68	11.92	11.22	10.51	9.82
117-MP0027	MP0027	B	Low	28	SPCO	On-(On)	5A/250VAC	Front Panel	None	17.99	15.10	13.64	12.62
117-MP0038	MP0038	B	Low	28	SPCO	On-(On)	5A/250VAC	Front Panel	IP66	19.04	16.66	15.36	14.15
117-MP0031/3	MP0031/3	B	Domed	21.5	SPCO	On-(On)	5A/250VAC	Front Panel	IP66	21.32	19.58	17.40	14.53
117-MP0037/3	MP0037/3	C	Domed	21.5	SPMB	Off-(On)	1A/50VAC	Front Panel	IP68	13.74	12.42	11.53	10.76
117-MP0025/3	MP0025/3	A	Domed	22	SPCO	On-(On)	5A/250VAC	Rear Panel	None	22.43	20.61	18.32	15.29
117-MP0038/3	MP0038/3	B	Domed	28	SPCO	On-(On)	5A/250VAC	Front Panel	IP66	23.35	19.16	17.42	15.91
117-MP0034/2	MP0034/2	A	Prominent	19	SPCO	On-(On)	5A/250VAC	Rear Panel	None	22.41	20.58	18.29	15.27
117-MP0031/2	MP0031/2	B	Prominent	21.5	SPCO	On-(On)	5A/250VAC	Front Panel	IP66	15.90	14.57	13.45	12.50
117-MP0037/2	MP0037/2	C	Prominent	21.5	SPMB	Off-(On)	1A/50VAC	Front Panel	IP68	15.42	13.74	12.85	10.73
117-MP0027/2	MP0027/2	B	Prominent	28	SPCO	On-(On)	5A/250VAC	Front Panel	None	23.58	21.66	19.26	16.07
117-MP0038/2	MP0038/2	B	Prominent	28	SPCO	On-(On)	5A/250VAC	Front Panel	IP66	23.35	19.90	18.32	15.91
117-MP0013	MP0013	D	Proud	22	SPMB	Off-(On)	1A/50VAC	Front Panel	None	8.15	7.54	6.88	6.05
117-MP0033	MP0033	D	Proud	22	SPMB	Off-(On)	1A/50VAC	Front Panel	*	13.28	12.60	11.81	9.85

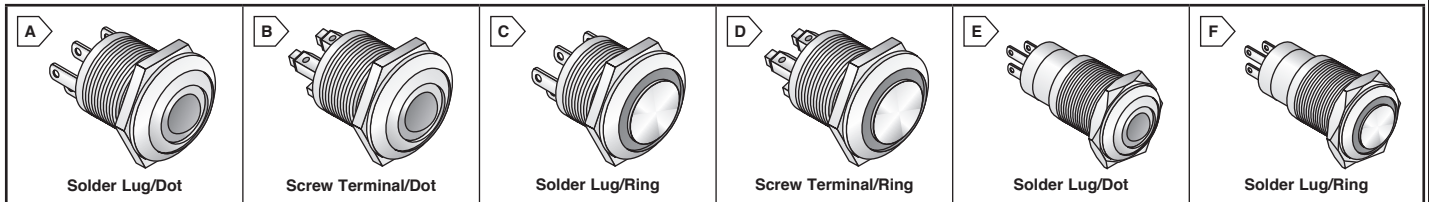
BULGIN 16MM NON-ILLUMINATED PUSHBUTTON SWITCHES

Specifications:

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

For quantities greater than listed, 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	8.39	7.95	7.70	7.29
117-MP0045/1DONN000	MP0045/1DONN000	F	Low	18	DPCO	On-(On)	3A/250VAC	Front Panel	None	10.63	9.94	9.57	9.13
117-MP0045/1EONN000	MP0045/1EONN000	F	Low	18	DPCO	On-On	3A/250VAC	Front Panel	None	12.07	11.55	11.11	10.51
117-MP0042/2	MP0042/2	E	Domed	18	SPMB	Off-(On)	2A/48VDC	Front Panel	None	7.79	7.56	7.33	6.69
117-MP0042/3	MP0042/3	E	Prominent	18	SPMB	Off-(On)	2A/48VDC	Front Panel	None	7.79	7.56	7.33	6.94
117-MP0045/3DONN000	MP0045/3DONN000	F	Prominent	18	DPCO	On-(On)	3A/250VAC	Front Panel	None	11.55	10.53	10.14	9.67
117-MP0045/3EONN000	MP0045/3EONN000	F	Prominent	18	DPCO	On-On	3A/250VAC	Front Panel	None	12.07	11.55	11.11	10.51



BULGIN ILLUMINATED VANDAL-RESISTANT SWITCHES

Specifications:

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

For quantities greater than listed, 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-MPI001/28/BL	MPI001/28/BL	A	Blue/Dot	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	25.28	20.42	18.97	17.70
117-MPI001/28/GN	MPI001/28/GN	A	Green/Dot	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	24.54	22.55	20.03	16.72
117-MPI001/28/RD	MPI001/28/RD	A	Red/Dot	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	24.54	20.38	18.42	16.72
117-MPI001/TERM/BL	MPI001/TERM/BL	B	Blue/Dot	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	21.87	19.52	18.22	16.82
117-MPI001/TERM/GN	MPI001/TERM/GN	B	Green/Dot	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	25.35	23.27	20.69	17.27
117-MPI001/TERM/RD	MPI001/TERM/RD	B	Red/Dot	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	23.63	21.05	19.02	17.27
117-MPI002/28/BL	MPI002/28/BL	C	Blue/Ring	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	25.89	23.78	21.13	17.65
117-MPI002/28/GN	MPI002/28/GN	C	Green/Ring	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	23.35	21.45	18.05	15.91
117-MPI002/28/RD	MPI002/28/RD	C	Red/Ring	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	23.32	19.09	17.58	15.91
117-MPI002/TERM/BL	MPI002/TERM/BL	D	Blue/Ring	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	28.01	25.73	22.87	19.09
117-MPI002/TERM/GN	MPI002/TERM/GN	D	Green/Ring	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	24.09	19.71	18.16	16.43
117-MPI002/TERM/RD	MPI002/TERM/RD	D	Red/Ring	22	SPMB	Off-(On)	50mA/24VDC	Front Panel	IP66	21.68	19.71	18.07	16.43

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 greater than listed, 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-MP0045/1D1RD012	MP0045/1D1RD012	E	Red/Dot	18	DPCO	On-(On)	3A/250VAC	Front Panel	None	14.57	13.63	12.82	12.32
117-MP0045/1D1GN012	MP0045/1D1GN012	E	Green/Dot	18	DPCO	On-(On)	3A/250VAC	Front Panel	None	14.57	13.63	12.82	12.32
117-MP0045/1D1BL012	MP0045/1D1BL012	E	Blue/Dot	18	DPCO	On-(On)	3A/250VAC	Front Panel	None	13.86	13.25	12.75	12.05
117-MP0045/1E1RD012	MP0045/1E1RD012	E	Red/Dot	18	DPCO	On-On	3A/250VAC	Front Panel	None	13.18	12.33	11.87	11.32
117-MP0045/1E1GN012	MP0045/1E1GN012	E	Green/Dot	18	DPCO	On-On	3A/250VAC	Front Panel	None	14.59	13.95	13.42	12.69
117-MP0045/1E1BL012	MP0045/1E1BL012	E	Blue/Dot	18	DPCO	On-On	3A/250VAC	Front Panel	None	13.90	13.29	12.79	12.09
117-MP0045/1D2RD012	MP0045/1D2RD012	F	Red/Ring	18	DPCO	On-(On)	3A/250VAC	Front Panel	None	13.53	12.65	12.17	11.61
117-MP0045/1D2GN012	MP0045/1D2GN012	F	Green/Ring	18	DPCO	On-(On)	3A/250VAC	Front Panel	None	14.20	12.65	12.17	11.61
117-MP0045/1D2BL012	MP0045/1D2BL012	F	Blue/Ring	18	DPCO	On-(On)	3A/250VAC	Front Panel	None	13.86	12.65	12.18	11.61
117-MP0045/1E2RD012	MP0045/1E2RD012	F	Red/Ring	18	DPCO	On-On	3A/250VAC	Front Panel	None	13.77	12.64	12.16	11.60
117-MP0045/1E2GN012	MP0045/1E2GN012	F	Green/Ring	18	DPCO	On-On	3A/250VAC	Front Panel	None	14.24	13.31	12.81	12.22
117-MP0045/1E2BL012	MP0045/1E2BL012	F	Blue/Ring	18	DPCO	On-On	3A/250VAC	Front Panel	None	14.24	13.32	12.82	12.23