

SUB-MINI & MINIATURE PUSHBUTTONS



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13

Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles/Throws	Amps 125 VAC	Amps 250 VAC	Bushing Length	Actuator Length	Actuator Color	Actuator Style	Terminal Type	Mounting Hole	Hardware	Spec. Drawing Page No.
35-402	35-402-BU	1	On (Off)	NC SPST	1/4*		0.125	0.175	Black	Pl	Sd Lug	0.172	N	289-A
35-3459	35-3459-BU	2	Off (On)	NO SPST	1/4†		0.225	0.240	White	Pin	Sd Eyelet	0.250	N	289-B
35-400	35-400-BU	3	Off (On)	NO SPST	1/2	1/4	0.125	0.175	Black	Pl	Sd Lug	0.172	N	289-C
35-401	35-401-BU	4	Off (On)	NO SPST	1		0.276	0.091	Black	RC	Sd Eyelet	0.281	N, KN	289-D
35-407	35-407-BU	5	Off (On)	NO SPST	1	1/2		0.100	White	SqB	QC .187"/Sd	****		289-E
35-410	35-410-BU	4	Off (On)	NO SPST	1		0.276	0.091	Red	RC	Sd Eyelet	0.281	N, KN	289-D
35-415	35-415-BU	5	Off (On)	NO SPST	1	1/2		0.100	Red	SqB	QC .187"/Sd	****		289-E
35-450	35-450-BU	6	On (On)	SPDT	1*		0.250	0.218	White	Pin	Sd Eyelet	0.250	2 N, LW, LR	289-F
35-451	35-451-BU	7	On (On)	DPDT	1*		0.250	0.218	White	Pin	Sd Eyelet	0.250	2 N, LW, LR	289-F
35-404	35-404-BU	8	On (On)	SPDT	3		0.335	0.315	Black	RC	Sd Eyelet	0.250	N, KN, W	289-G
35-405	35-405-BU	9	On (On)	DPDT	3		0.335	0.315	Black	RC	Sd Eyelet	0.250	N, KN, W	289-J
35-406	35-406-BU	10	On (Off)	SPST	3		0.315	0.315	Black	RC	Sd Eyelet	0.315	N, W	289-H
35-408	35-408-BU	10	On (On)	SPDT	3		0.315	0.315	Black	RC	Sd Eyelet	0.315	N, W	289-H
35-409	35-409-BU	10	Off (On)	NO SPST	3		0.315	0.315	Black	RC	Sd Eyelet	0.315	N, W	289-H
35-411	35-411-BU	11	Off (On)	NO SPST	3	1	0.295	0.157	Black	RB	Sd Eyelet	0.400	N, W	289-I
35-412	35-412-BU	12	Off (On)	NO SPST	3	1	0.295	0.157	Black	SqB	Sd Eyelet	0.400	N, W	289-I
35-413	35-413-BU	13	Off (On)	NO SPST	3	1	0.295	0.157	Black	RqB	Sd Eyelet	0.400	N, W	289-I
35-417	35-417-BU	13	Off (On)	NO SPST	3	1	0.295	0.157	Red	RqB	Sd Eyelet	0.400	N, W	289-I
35-425	35-425-BU	9	On (On)	DPDT	3		0.335	0.315	Blue	RC	Sd Eyelet	0.250	N, KN, W	289-J

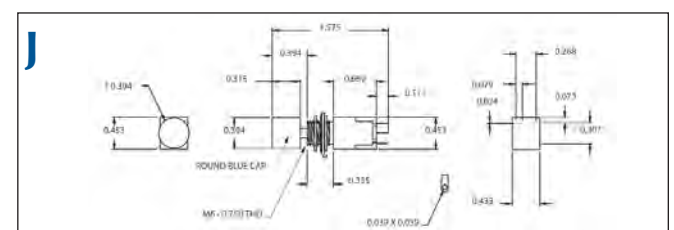
Notes: (On)/(Off)=Momentary On/Off
 *Rated @120VAC/28VDC
 ****0.500 x 0.437
 †=Rated @125VAC/DC

KN=Knurled Nut
 LR=Lock Ring
 LW=Lock Washer
 N=Nut(s)
 NC=Normally Closed
 NO=Normally Open
 N/R=Not Rated

QC=Quick Connect
 RC=Round Cap
 RqB=Rectangle Button

Pl=Plunger
 Sd=Solder
 SqB=Square Button
 W=Washer

Note: All figures are for illustration purpose only, and the number/type of terminals may vary.



MINIATURE PUSHBUTTONS (Cont.)

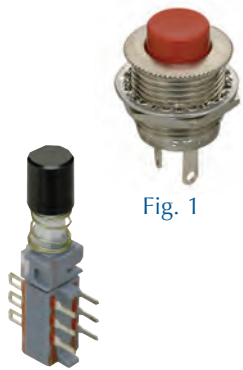


Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

Fig. 8

Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles/Throws	Amps 125 VAC	30 Watts	Bushing Length	Actuator Length	Actuator Color	Actuator Style	Terminal Type	Mounting Hole	Hardware	Spec. Drawing Page No.
35-416	35-416-BU	1	On(Off)	SPDT	N/R	250mA	0.391	0.110	Red	RB	Sd Eyelet	0.469	LN, LW	291-A
35-418	35-418-BU	2	On(Off)	SPDT	N/R	250mA	0.391	0.110	Black	RB	Sd Eyelet	0.469	LN, LW	291-A
35-3460	35-3460-BU	3	On Off	SPST	6++		1.100	0.360	Brass	CB	6" WL	0.375	N, KN	291-B
35-852	35-852-BU	4	On Off	SPST	6++		0.375	0.344	Black	CB	6" WL	0.375	N, KN	291-C

Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles/Throws	Amps 125 VAC	Amps 250 VAC	Bushing Length	Actuator Length	Actuator Color	Actuator Style	Terminal Type	Mounting Hole	Hardware	Spec. Drawing Page No.
35-491	35-491-BU	5	On On	DPDT	0.50**	0.20		0.406	Black	RmB	PCB/Sd Eye		N, LN	291-D

Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles/Throws	A 125/250 VAC	30 VAC	Bushing Length	Actuator Length	Actuator Color	Actuator Style	Terminal Type	Mounting Hole	Hardware	Spec. Drawing Page No.
35-475	35-475-BU	6	(On) Off	NO SPST	0.50	0.50	0.260	0.500	Black	RB	+++	0.500	N, LN	291-E
35-476	35-476-BU	7	Off (On)	NO SPST	0.50		0.260	0.500	Red	RB	+++	0.500	N, LN	291-E
35-3471	35-3471-BU	8	On (Off)	NC SPST	***		0.374	0.244	White	RB	Sc	0.500	N, LW	291-F

Notes: (On)/(Off)=Momentary On/Off
 **Rated@100VAC
 ***Rated 2Amps @120VAC, 1A 277 VAC

++=3@250V AC
 +++=6.3mm Tab w/Eyelet
 35-491 is momentary on if the pin is removed
 CB=Canopy Button
 KN=Knurled Nut
 LN=Lock Nut

LW=Lock Washer
 N=Nut(s)
 NC=Normally Closed
 NO=Normally Open
 N/R=Not Rated

PCB=Printed Circuit Board
 RB=Round Button
 RmB=Removable Button

Sc=Screw
 Sd=Solder

STANDARD PUSHBUTTONS



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 15



Fig. 16

Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles/Throws	Amps 125 VAC	Amps 250 VAC	Bushing Length	Actuator Length	Actuator Color/Material	Frame/Bezel	Terminal Type	Mount Hole	Hardware	Spec. Drawing Page No.
35-420	35-420-BU	9	Off (On)	NO SPST		3	0.276	0.354	Red Plastic	Chrm. Ring	Sd Eyelet	0.500	N, W	291-G
35-421	35-421-BU	10	Off (On)	NO SPST		3	0.390	0.244	Red Plastic	Black Square	Sd Eyelet	0.500	N, W	291-H
35-422	35-422-BU	9	On Off	SPST		3	0.276	0.354	White Plastic	Chrm. Ring	Sd Eyelet	0.500	N, W	291-G
35-423	35-423-BU	11	Off (On)	NO SPST	3	N/R	Snap-in	0.125	Red Plastic	Black	Sd Eyelet	0.687		291-I
35-3456	35-3456-BU	12	(On) Off	SPST	6	3	0.500	0.212	White		Q.C.	0.500	N, KN	291-J
35-3457	35-3457-BU	13	Off (On)	NO SPST	6**	3**	0.500	0.212	Black Plastic		Sc	0.500	N, KN, Sc	291-J
35-3458	35-3458-BU	13	(Off) On	NC SPST	***	***	0.490	0.200	Red Plastic		Sc	0.500	N, KN, Sc	291-K
35-430	35-430-BU	14	Off (On)	NO SPST	6	3	0.562	0.437	Chrm. Metal		Sd Eyelet	0.500	N, KN	291-L
35-432	35-432-BU	14	On (Off)	NC SPST	6	3	0.562	0.437	Chrm. Metal		Sd Eyelet	0.500	N, KN	291-L
35-448	35-448-BU	15	On Off	SPST	6	3	0.561	0.415	Chrm. Metal		Sd Eyelet	0.500	N, KN	291-L
35-449	35-449-BU	16	On Off	SPST	6	3	0.561	0.437	Chrm. Metal		Sc	0.500	N, KN	291-M

Notes: (On)/(Off)/(SPDT)=Momentary Action
 *Rated 8Amps @125V DC, 4Amps @250V DC, 1/3 HP @125VAC;
 **Rated 6Amps @120VAC/3Amps @240VAC
 ***Rated 3Amps @120VAC/1.5Amps @277VAC
 ****Rated 25/15Amps @6/12VDC

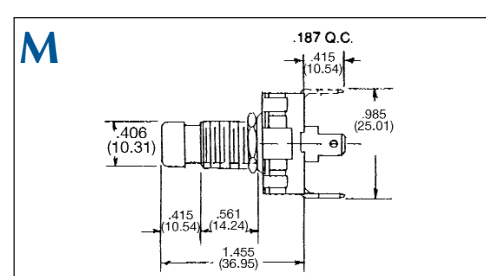
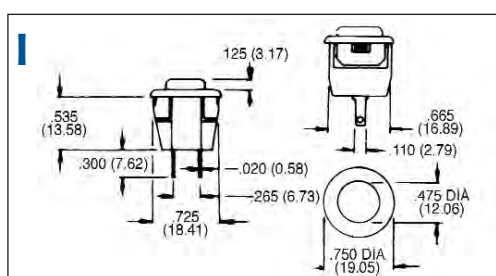
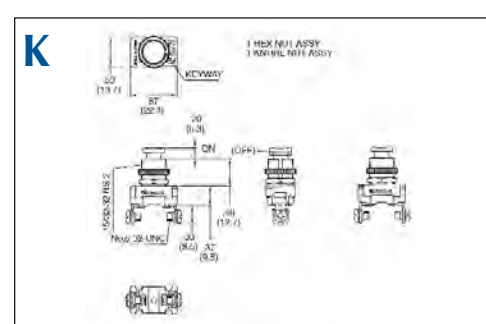
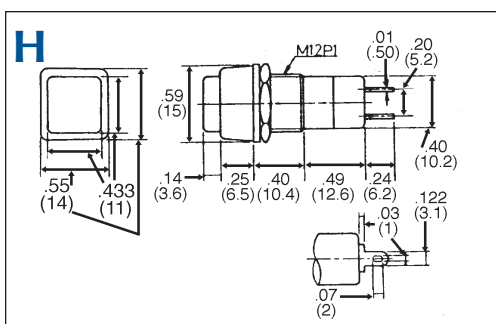
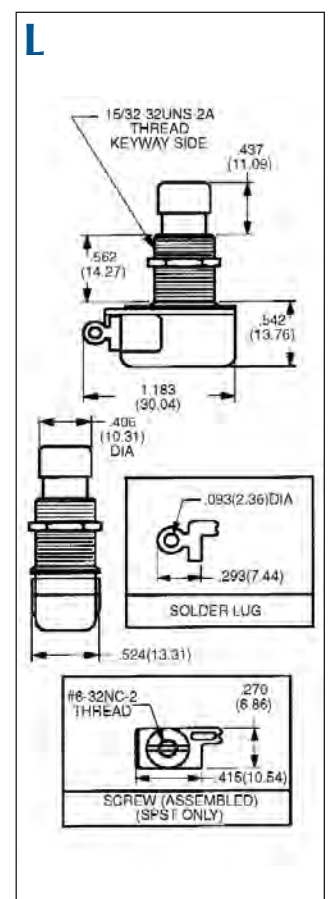
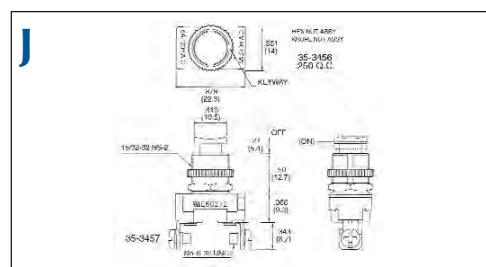
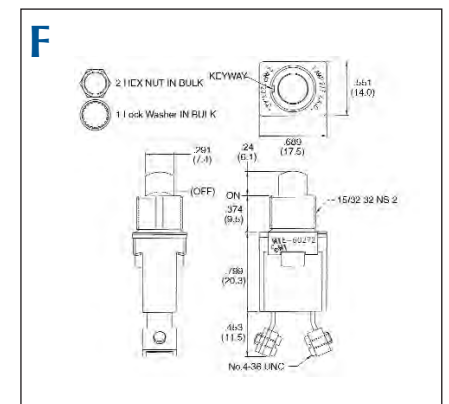
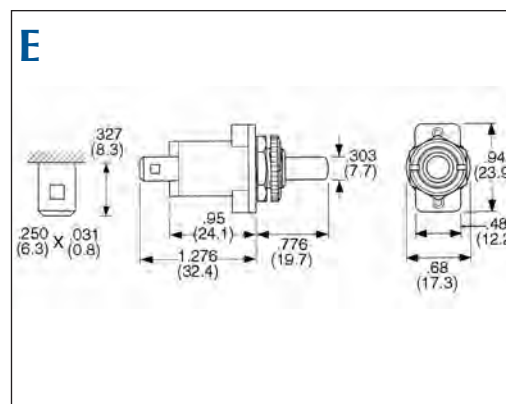
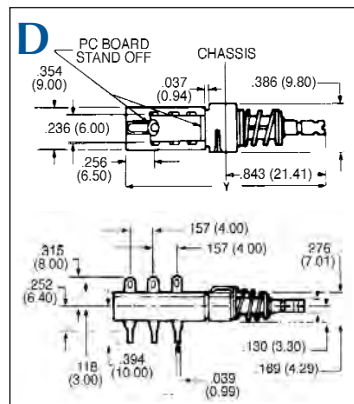
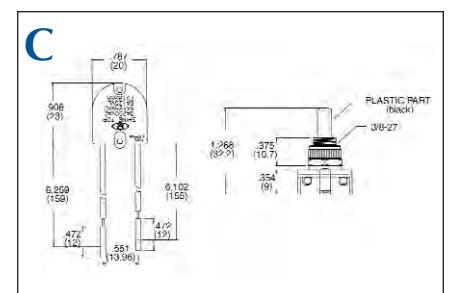
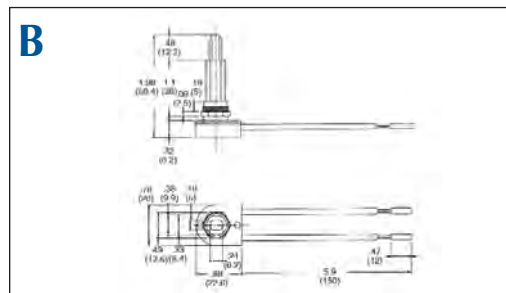
+ = Rated 1/2 HP @250VDC
 Chrm.=Chrome
 HP=Horse Power
 KN=Knurled Nut
 N=Nut(s)

NC=Normally Closed
 NO=Normally Open
 N/R=Not Rated
 QC=Quick Connect
 Sc=Screw

Sd=Solder
 W=Washer
 WL=Wire Lead

Note: All figures are for illustration purpose only, and the number/type of terminals may vary.

Technical drawing of a 1000W resistor. The side view on the left shows a cylindrical body with a top flange. Dimensions include a total height of 53.1 (1.74), a top flange height of 8.12 (0.32), a body diameter of 16.05 (0.63), and a base diameter of 17.3 (0.68). A 1000W power rating is indicated. The end view on the right shows a circular terminal with a central pin labeled 'A' and a terminal labeled 'B'. The terminal is marked 'A' TERMINAL' and 'B' TERMINAL'. A note indicates '1000W NOT'.



STANDARD PUSHBUTTONS (Cont.)



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7

Retail Part No.	Bulk Part No.	Fig. No.	Circuit Function	Poles/Throws	Amps 125 VAC	Amps 250 VAC	Bushing Length	Actuator Length	Actuator Color/Material	Frame/Bezel	Terminal Type	Mount Hole	Hardware	Spec. Drawing Page No.
35-3454	35-3454-BU	1	On Off	SPST++	10*	N/R	0.561	0.410	Chrm. Metal		6" WL	0.500	N, KN	293-A
35-473	35-473-BU	2	NO or NC	SPDT	16†	16†	0.380	0.125	Red Plastic	Black Shroud	QC .250"	0.500	N	293-B
35-458	35-458-BU	3	On Off	SPST	15	10	0.562	0.238	Chrm. Metal		Sc	0.500	N, KN, Sc	293-C
35-3425	35-3425-BU	4	On Off	SPST	15	10	0.561	0.415	Chrm. Metal		Sc	0.500	N, KN, Sc	293-D
35-3427	35-3427-BU	4	Off (On)	NO SPST	15	10	0.561	0.415	Chrm. Metal		Sc	0.500	N, KN, Sc	293-D
35-3429	35-3429-BU	4	On (Off)	NC SPST	15	10	0.561	0.415	Chrm. Metal		Sc	0.500	N, KN, Sc	293-D
35-3490	35-3490-BU	4	On On	SPDT	15	10	0.561	0.415	Chrm. Metal		Sc	0.500	2 N, Sc	293-D
35-455	35-455-BU	5	Off On	SPST	16^	16	Snap-in	0.157	Red Plastic	Black	QC .250"/Sd	0.992		293-E
35-457	35-457-BU	5	Off (On)	NO SPST	16^	16	Snap-in	0.157	Red Plastic	Black	QC .250"/Sd	0.992		293-E
35-459	35-459-BU	5	Off (On)	NO SPST	16^	16	Snap-in	0.157	Black Plastic	Black	QC .250"/Sd	0.992		293-E
35-490	35-490-BU	6	On Off	DPDT++	8	6	0.730	0.312	OrangeΔ	Black	PCB/Sd Lug	0.530	N, W	293-F
35-3484	35-3484-BU	7	Off (On)	NO SPST	****	****	1.200	0.375	Black Chrome	Black	Sc	0.625	N, W	293-G

Notes: (On)/(Off)/(SPDT)=Momentary Action

*Rated 8Amps @125V DC, 4Amps @250V DC, 1/3 HP @125VAC;

**Rated 6Amps @120VAC/3Amps @240VAC

***Rated 3Amps @120VAC/1.5Amps @277VAC

****Rated (25, 15) Amps @ (6,12) VDC

^=1/2 HP @ 125VAC, 1 HP @ 250 VAC

†=Rated 1/2 HP @125 VAC, 0.2A @250 VDC

++=Alternate Action

Chrm.=Chrome

HP=Horse Power

35-490 comes with Nut and Washer Hardware

35-490 pin can be removed to make momentary

Δ=Mechanical Indicator, non-illuminated

NC=Normally Closed

NO=Normally Open

N/R=Not Rated

QC=Quick Connect

Sc=Screw

Sd=Solder

W=Washer

WL=Wire Lead

KN=Knurled Nut

N=Nut(s)

LIGHTED PUSHBUTTONS



Fig. 8



Fig. 9



Fig. 10

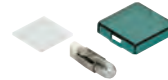


Fig. 11

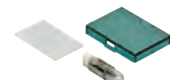


Fig. 12

Switches

Retail Part No.	Bulk Part No.	Fig. No.	*Circuit Function	Poles/Throws	Amps 125 VAC	Amps 250 VAC	Amps 14 VDC	HP 125 VAC	Bushing Length	Actuator Length	Actuator Color	Actuator Style	Terminal Type	Mounting Hole	Spec Drawing Page No.
35-480	35-480-BU	8^	On Off	SPST	10	10	10	1/4	Snap-in	0.360	Red Lens	Square	QC .25"/Sd	1.10 x 0.88	293-J
35-481††		8									Red Lens	Square			293-J
35-482	35-482-BU	8^	On Off	SPST	10	10	10	1/4	Snap-in	0.360	Amber Lens	Square	QC .25"/Sd	1.10 x 0.88	293-J
35-484	35-484-BU	8^	On Off	SPST	10	10	10	1/4	Snap-in	0.360	Green Lens	Square	QC .25"/Sd	1.10 x 0.88	293-J
35-3412	35-3412-BU	9	(1NC) (1NO)	SPDT		4†			0.295	0.196		Square	Sd Eyelet	0.638	293-H
35-3414	35-3414-BU	9	1NC 1NO	SPDT		4†			0.295	0.196		Square	Sd Eyelet	0.638	293-H
35-3430	35-3430-BU	9	2NC 2NO	DPDT		4†			0.295	0.196		Square	Sd Eyelet	0.638	293-H
35-3431	35-3431-BU	10	2NC 2NO	DPDT		4†			0.295	0.196		Rq	Sd Eyelet	0.638	293-I
35-3432	35-3432-BU	10	(1NC) (1NO)	SPDT		4†			0.295	0.196		Rq	Sd Eyelet	0.638	293-I

Lens and Diffuser Kits

Choose a Lens and Diffuser Kit below to go with Fig. 9 and Fig. 10 above part numbers (Sold Separately)

Retail Part No.	Bulk Part No.	Fig. No.	Style	Color	Spec Drawing Page No.
35-3435	35-3435-BU	11	Square	Green	293-K
35-3437	35-3437-BU	11	Square	Red	293-K
35-3438	35-3438-BU	11	Square	Clear	293-K
35-3439	35-3439-BU	11	Square	Yellow	293-K
	35-3400-BU		12V Replacement Bulb		

Retail Part No.	Bulk Part No.	Fig. No.	Style	Color	Spec Drawing Page No.
35-3440	35-3440-BU	12	Rectangle	Green	293-L
35-3442	35-3442-BU	12	Rectangle	Red	293-L
35-3443	35-3443-BU	12	Rectangle	Clear	293-L
35-3444	35-3444-BU	12	Rectangle	Yellow	293-L
	35-3400-BU		12V Replacement Bulb		

Notes: ()=Momentary Function

^NC=Normally Closed and NO=Normally Open

^=12V Incandescent

Note: All figures are for illustration purpose only, and the number/type of terminals may vary.

N/R=Not Rated

PCB=Printed Circuit Board

†=0.2A @ 220VDC, 5mA @ 12VAC/DC

††=Lens Only

QC=Quick Connect

Rq=Rectangle

Sd=Solder

