

# ITW SWITCHES Pushbutton Switches



This product is RoHS compliant.

## ITW SERIES 59: ZINC ALLOY SEALED PUSHBUTTON SWITCHES

This rugged panel sealed pushbutton is made of a special high creep strength non-spark zinc alloy suitable for use in mining or other potentially explosive atmospheres where dust and moisture are problematic.

### Specification:

- Switch function: Momentary
- Contact resistance: 50mΩ
- Dielectric strength: 1000VAC
- Current rating: 125mA @ 125VAC
- Panel mounting: 1.5mm - 3mm

### Features:

- Non-spark material
- Gold contacts
- Impact resistant
- 500,000 life cycles @ max power
- Wide temp range: -55°C to +125°C
- Panel sealed to IP67
- Nut and sealing washer included
- 3 year warranty

### Applications:

- Communications
- Instrumentation
- Data processing
- Process controls
- Transportation/material

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ITW Switches Part No.	Fig.	Bezel Style	Button Color	Price Each			
					1	10	25	50
850-59-111	59-111	A	Round	Black	9.09	8.66	8.23	7.79
850-59-112	59-112	A	Round	Red	10.36	9.86	9.37	8.87
850-59-113	59-113	A	Round	Green	9.91	9.44	8.97	8.49
850-59-211	59-211	B	Square	Black	9.09	8.66	8.23	7.79
850-59-212	59-212	B	Square	Red	11.33	10.79	10.24	9.71
850-59-213	59-213	B	Square	Green	10.40	9.90	9.40	8.91
850-59-311	59-311	C	High Round	Black	11.31	10.77	10.23	9.69
850-59-312	59-312	C	High Round	Red	10.29	9.80	9.31	8.82
850-59-313	59-313	C	High Round	Green	10.29	9.80	9.31	8.82

## ITW SERIES 57: MINIATURE VANDAL RESISTANT SEALED PUSHBUTTON SWITCHES

This rugged miniature, momentary action, sealed switch series is ideal for a variety of applications in harsh environments where durability is key.

### Specification:

- Contact resistance: 50mΩ
- Switching power: 16VA AC
- Current rating: 125mA - 400mA
- Contact form: SDST

### Features:

- Non-spark material
- Nut and sealing washer included
- Panel sealed to IP67
- Gold plated palladium nickel contacts
- Wide temp range: -40°C to +125°C
- 3 year warranty

### Applications:

- Security access controls
- Computers
- Military/aerospace
- Transportation

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ITW Switches Part No.	Fig.	Lighted	LED Color	Price Each			
					1	10	25	50
850-57-111	57-111	D	No	-	18.87	17.97	17.07	16.17
850-57-112R	57-112R	E	Yes	Red	21.38	20.35	19.34	18.32
850-57-112G	57-112G	E	Yes	Green	21.59	20.55	19.53	18.49
850-57-112B	57-112B	E	Yes	Blue	37.07	34.14	32.19	31.35

## ITW SERIES 76-95: 10A VANDAL RESISTANT PUSHBUTTON SWITCHES

This low profile switch makes it difficult to pry the switch from its mounting. Uses Butterfly® snap action switches for switching loads up to 10.1 Amps.

### Features:

- Wide temp range: -30°C to +105°C
- Panel sealed to IP67
- 3 year warranty
- Solder terminals

### Applications:

- Industrial equipment
- Military/aerospace
- Transportation

### Specification:

- Contact resistance: 50mΩ
- Dielectric strength: 1,000VAC for 1 minute

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ITW Switches Part No.	Fig.	Contact	Circuit	Price Each			
					1	10	25	50
850-76-9510/530004	76-9510/530004	F	Silver	SPDT-DB	38.63	36.80	34.95	33.12

## ITW SERIES 47: MINIATURE SEALED PUSHBUTTON SWITCHES

The Series 47 is a uniquely designed sealed miniature pushbutton switch. The silicone button and body can be panel mounted and terminated with a standard connector or mounted in a P.C. board. The switches come in two levels of sealing a panel sealed only version and a fully sealed version with epoxy sealed base.

### Specifications:

- Button material: Silicone
- Operating temp: -40°C to +85°C
- Terminal finish: Gold over nickel

### Features:

- SPST-NO
- Long life
- Small size
- Low cost
- Sealed to IP67
- 3 year warranty

### Applications:

- Medical equipment
- Marine equipment
- Outdoor controls
- Appliances
- Recreational vehicles

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ITW Switch Part No.	Fig.	Switch Function	Button Color	Sealed Version	Price Each		
						1	10	25
850-47-1111	47-1111	G	Momentary	Black	Panel and Epoxy	7.56	6.85	6.20
850-47-1121	47-1121	G	Momentary	Red	Panel and Epoxy	8.94	8.52	8.08
850-47-1131	47-1131	G	Momentary	Green	Panel and Epoxy	6.80	6.48	6.16
850-47-1141	47-1141	G	Momentary	White	Panel and Epoxy	7.63	7.29	6.63
850-47-1151	47-1151	G	Momentary	Yellow	Panel and Epoxy	6.78	6.46	6.14
850-47-1161	47-1161	G	Momentary	Blue	Panel and Epoxy	6.75	6.43	6.11
850-47-1171	47-1171	G	Momentary	Orange	Panel and Epoxy	9.70	8.76	7.97
850-47-2111	47-2111	G	Momentary	Black	Panel	5.95	5.40	4.87
850-47-2121	47-2121	G	Momentary	Red	Panel	7.16	6.83	6.48
850-47-2131	47-2131	G	Momentary	Green	Panel	5.21	4.96	4.71
850-47-2161	47-2161	G	Momentary	Blue	Panel	6.32	5.12	4.92
850-47-2171	47-2171	G	Momentary	Orange	Panel	6.62	6.28	6.02

## ITW SERIES 48: FLEX-TECH MINIATURE SEALED PUSHBUTTON SWITCHES

This rugged multi-option sealed pushbutton series offers the utmost in choices for mounting style, colors, terminations, bezels, lighting and momentary or alternate-action switching.

### Specifications:

- Circuit: SPST-NO-DB
- Operating force: 3N/306g
- Temperature index: -40°F to +185°F
- Panel thickness: .02-12/1.5-3mm

### Features:

- Gold contacts
- Long life
- Compact package size
- Sealed to IP67
- 3 year warranty

### Applications:

- Medical equipment
- Office equipment
- Outdoor controls
- Mass transportation
- Industrial machinery

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ITW Switch Part No.	Fig.	Switch Function	Switch Termination	Bezel Type	LED Color	Button Color	Price Each			
								1	10	25	50
850-48-1-RB-N-RD-B	48-1-RB-N-RD-B	H	Momentary	Solder Tabs	Round, Black	None	Red	7.73	7.35	6.98	6.62
850-48-1-RB-N-BK-B	48-1-RB-N-BK-B	H	Momentary	Solder Tabs	Round, Black	None	Black	7.73	7.35	6.98	6.62
850-48-1-SB-N-RD-B	48-1-SB-N-RD-B	I	Momentary	Solder Tabs	Square, Black	None	Red	7.73	7.35	6.98	6.62
850-48-1-SB-N-BK-B	48-1-SB-N-BK-B	I	Momentary	Solder Tabs	Square, Black	None	Black	7.73	7.35	6.98	6.62
850-48-1-RC-N-CR-B	48-1-RC-N-CR-B	H	Momentary	Solder Tabs	Round, Chrome	None	Chrome	7.79	7.47	7.03	6.67
850-48-1-RB-R-BK-B	48-1-RB-R-BK-B	H	Momentary	Solder Tabs	Round, Black	Red	Black	8.80	8.38	7.97	7.54
850-48-2-RB-N-RD-B	48-2-RB-N-RD-B	H	Maintained	Solder Tabs	Round, Black	None	Red	8.38	8.08	7.59	7.20
850-48-2-RB-N-BK-B	48-2-RB-N-BK-B	H	Maintained	Solder Tabs	Round, Black	None	Black	8.38	7.99	7.59	7.20
850-48-2-RC-N-CR-B	48-2-RC-N-CR-B	H	Maintained	Solder Tabs	Round, Chrome	None	Chrome	8.53	8.13	7.73	7.33
850-48-2-RB-R-BK-B	48-2-RB-R-BK-B	H	Maintained	Solder Tabs	Round, Black	Red	Black	9.57	9.13	8.66	8.20
850-48-1-RB-N-YL-B	48-1-RB-N-YL-B	H	Momentary	Solder Tabs	Round, Black	None	Yellow	9.02	8.58	8.14	7.73
850-48-1-RB-N-BL-B	48-1-RB-N-BL-B	H	Momentary	Solder Tabs	Round, Black	None	Blue	9.02	8.58	8.14	7.73
850-48-1-RB-N-GR-B	48-1-RB-N-GR-B	H	Momentary	Solder Tabs	Round, Black	None	Green	9.02	8.58	8.14	7.73

## ITW SERIES 48: MINIATURE HALL-EFFECT SEALED PUSHBUTTON SWITCHES

This rugged sealed pushbutton switch uses a Hall-Effect sensor to achieve extremely long life.

This switch is suited for harsh environments where long life and reliability are needed.

### Specifications:

- Circuit: SPST-NO-DB
- Operating force: 3N/306g
- Temperature index: -40°F to +185°F
- Panel thickness: .02-12/1.5-3mm

### Features:

- Hall-effect technology
- 1,000,000 cycles momentary
- 100,000 cycles maintained
- Sealed to IP67
- 3 year warranty

### Applications:

- Communications
- Data entry
- Outdoor controls
- Mass transportation
- Instrumentation

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ITW Switch Part No.	Fig.	Switch Function	Switch Termination	Bezel Type	LED Color	Button Color	Price Each			
								1	10	25	50
850-48-7-RB-N-BK-B	48-7-RB-N-BK-B	J	Momentary	PC	Round, Black	None	Black	16.04	15.28	14.52	13.75
850-48-7-RB-N-RD-B	48-7-RB-N-RD-B	J	Momentary	PC	Round, Black	None	Red	16.20	15.43	14.66	13.88
850-48-7-RC-N-CR-B	48-7-RC-N-CR-B	J	Momentary	PC	Round, Chrome	None	Chrome	16.20	15.43	14.66	13.88
850-48-7-RB-R-BK-B	48-7-RB-R-BK-B	J	Momentary	PC	Round, Black	Red	Black	18.09	17.24	16.38	15.52

