

### 48 SERIES KITS

#### KEY FEATURES:

- Momentary or maintained action
- Gold contacts
- Large choice of button colours
- Choice of LED colours (or non-illuminated versions)
- Long life
- Solder or PC terminals
- Panel sealed to IP67
- Square and round bezel versions available



#### MECHANICAL / ELECTRICAL CHARACTERISTICS

##### Circuit:

SPST-NO-DB

##### Button Travel (nominal):

2.3mm

##### Operating Force (nominal):

3.0N

##### Contact Bounce (nominal):

1 millisecond

##### Panel Thickness:

0.5 ~ 3.0mm

##### Temperature Index (Operating):

-40°C to +85°C

##### Torque (maximum—Fixing Nut):

1.0 -2.0 Nm

##### Current Ratings:

10mA, 12VDC (resistive)

##### Life (mechanical):

1,000,000 cycles maximum (momentary)

100,000 cycles maximum (maintained)

##### Dielectric Strength:

1000V AC

##### Insulation Resistance

1 GΩ

##### Contact Resistance:

50 mΩ

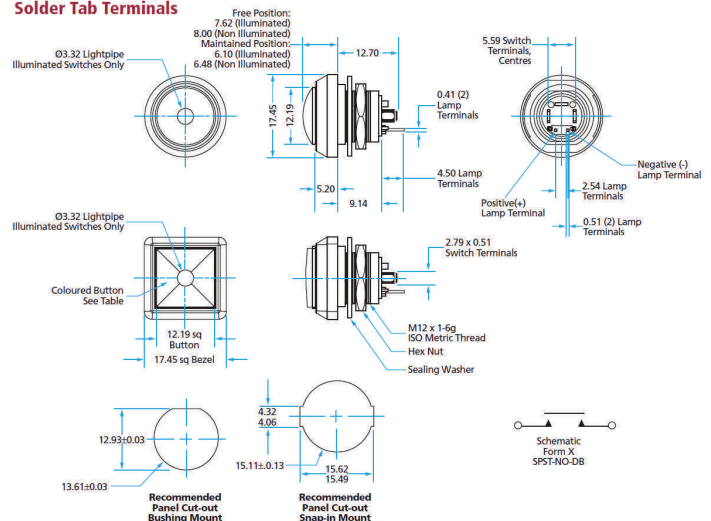
#### 48 Series - Flex-Tech Miniature Sealed Pushbutton Switches

This 36 option sealed pushbutton kit offers the utmost in choices of mounting style, button colours, terminations, bezels, lighting and momentary or maintained switching.

Contact us to learn more about the options available!

#### DIMENSIONS:

##### Solder Tab Terminals



#### TYPICAL APPLICATIONS:

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

NB: Refer to the 48 Series Datasheet for more product details.

# ITW Switches

## NEW PRODUCT INTRODUCTION

### COMBINATIONS:

#### MOMENTARY / SOLDER TERMINALS / THREADED BUSH (48-100028)

Module Type	Bezel	LED	Button
48-1	RB (Round Black)	N (None)	RD (Red)
48-1	RB (Round Black)	N (None)	GR (Green)
48-1	RB (Round Black)	N (None)	BK (Black)
48-1	RB (Round Black)	N (None)	BL (Blue)
48-1	RB (Round Black)	N (None)	YL (Yellow)
48-1	RB (Round Black)	N (None)	OR (Orange)
48-1	SB (Square Black)	N (None)	RD (Red)
48-1	SB (Square Black)	N (None)	GR (Green)
48-1	SB (Square Black)	N (None)	BK (Black)
48-1	SB (Square Black)	N (None)	BL (Blue)
48-1	SB (Square Black)	N (None)	YL (Yellow)
48-1	SB (Square Black)	N (None)	OR (Orange)
48-1	RB (Round Black)	R (Red)	RD (Red)
48-1	RB (Round Black)	R (Red)	GR (Green)
48-1	RB (Round Black)	R (Red)	BK (Black)
48-1	RB (Round Black)	R (Red)	BL (Blue)
48-1	RB (Round Black)	R (Red)	YL (Yellow)
48-1	RB (Round Black)	R (Red)	OR (Orange)
48-1	SB (Square Black)	R (Red)	RD (Red)
48-1	SB (Square Black)	R (Red)	GR (Green)
48-1	SB (Square Black)	R (Red)	BK (Black)
48-1	SB (Square Black)	R (Red)	BL (Blue)
48-1	SB (Square Black)	R (Red)	YL (Yellow)
48-1	SB (Square Black)	R (Red)	OR (Orange)
48-1	RB (Round Black)	G (Green)	RD (Red)
48-1	RB (Round Black)	G (Green)	GR (Green)
48-1	RB (Round Black)	G (Green)	BK (Black)
48-1	RB (Round Black)	G (Green)	BL (Blue)
48-1	RB (Round Black)	G (Green)	YL (Yellow)
48-1	RB (Round Black)	G (Green)	OR (Orange)
48-1	SB (Square Black)	G (Green)	RD (Red)
48-1	SB (Square Black)	G (Green)	GR (Green)
48-1	SB (Square Black)	G (Green)	BK (Black)
48-1	SB (Square Black)	G (Green)	BL (Blue)
48-1	SB (Square Black)	G (Green)	YL (Yellow)
48-1	SB (Square Black)	G (Green)	OR (Orange)

#### MAINTAINED / SOLDER TERMINALS / THREADED BUSH (48-100029)

Module Type	Bezel Type	LED Colour	Button
48-2	RB (Round Black)	N (None)	RD (Red)
48-2	RB (Round Black)	N (None)	GR (Green)
48-2	RB (Round Black)	N (None)	BK (Black)
48-2	RB (Round Black)	N (None)	BL (Blue)
48-2	RB (Round Black)	N (None)	YL (Yellow)
48-2	RB (Round Black)	N (None)	OR (Orange)
48-2	SB (Square Black)	N (None)	RD (Red)
48-2	SB (Square Black)	N (None)	GR (Green)
48-2	SB (Square Black)	N (None)	BK (Black)
48-2	SB (Square Black)	N (None)	BL (Blue)
48-2	SB (Square Black)	N (None)	YL (Yellow)
48-2	SB (Square Black)	N (None)	OR (Orange)
48-2	RB (Round Black)	R (Red)	RD (Red)
48-2	RB (Round Black)	R (Red)	GR (Green)
48-2	RB (Round Black)	R (Red)	BK (Black)
48-2	RB (Round Black)	R (Red)	BL (Blue)
48-2	RB (Round Black)	R (Red)	YL (Yellow)
48-2	RB (Round Black)	R (Red)	OR (Orange)
48-2	SB (Square Black)	R (Red)	RD (Red)
48-2	SB (Square Black)	R (Red)	GR (Green)
48-2	SB (Square Black)	R (Red)	BK (Black)
48-2	SB (Square Black)	R (Red)	BL (Blue)
48-2	SB (Square Black)	R (Red)	YL (Yellow)
48-2	SB (Square Black)	R (Red)	OR (Orange)
48-2	RB (Round Black)	G (Green)	RD (Red)
48-2	RB (Round Black)	G (Green)	GR (Green)
48-2	RB (Round Black)	G (Green)	BK (Black)
48-2	RB (Round Black)	G (Green)	BL (Blue)
48-2	RB (Round Black)	G (Green)	YL (Yellow)
48-2	RB (Round Black)	G (Green)	OR (Orange)
48-2	SB (Square Black)	G (Green)	RD (Red)
48-2	SB (Square Black)	G (Green)	GR (Green)
48-2	SB (Square Black)	G (Green)	BK (Black)
48-2	SB (Square Black)	G (Green)	BL (Blue)
48-2	SB (Square Black)	G (Green)	YL (Yellow)
48-2	SB (Square Black)	G (Green)	OR (Orange)

### COMPONENT PART NUMBER STRUCTURE:

