

SERIES 76-94 – PANEL SEALED RANGE

FEATURES

- Non-spark material
- Explosive-proof materials used
- Wide temperature range
 from -40°C to +125°C
- Panel sealed product
 - Protection against immersion
- Impact rating 20J
- Choice of actuators and styles
 - -Push-buttons, rotary and panel lamp

NON-STANDARD OPTIONS

- PCB terminals
- Gold contacts
- 2 poles available
- Colour variants
- In-filled engraving (Push-button only)



Technical Information

Series 76-94			
	The 76-94 Series has been designed to o	The 76-94 Series has been designed to cover a wide range of harsh environmental applications	
		The range is available in 3 styles, push-button, rotary and panel lamp.	
	terminals as standard. The rotary is a sir	The push-button comes in 4 button styles with 3 colour options and has solder/faston terminals as standard. The rotary is a single pole, 2 position, snap action switch with green or red spot indicator on the black actuator. To complete the range an indicator version is available with red, green or amber lens.	
	are all capable of surviving the impact o and the actuators of the push-buttons a	and due to the construction and the materials used, f a 5kg mass dropped from 40cm (20J). All the bezels nd rotaries are made from a non-sparking zinc alloy red from polycarbonate, which maintains the	
	Non-standard options for the range inclu 2 pole variants.	Non-standard options for the range include custom colours, PCB terminals, gold contacts and 2 pole variants.	
	The features of the Series makes it idea as the mining industry.	The features of the Series makes it ideal for robust, potentially explosive environments, such as the mining industry.	
Specification			
	The push-button and rotary variants utili microswitch.	The push-button and rotary variants utilise ITW Switches' proven Series 16 snap action microswitch.	
Mechanical			
	Travel	2,5mm (PB)	
	Life (nom)	2 x 10 ⁶ cycles (PB), 50,000 cycles (R) 1 x 10 ⁵ cycles (Latched Push-button)	
	Operating force	7N (PB)	
	Contact bounce	5ms (PB, R)	
	Panel thickness (max)	6mm (PB, R, L)	
Electrical			
	Dielectric strength	1000V RMS (PB, R)	
	Insulation resistance	1GΩ (PB, R)	
	Contact resistance (initial)	25m Ω (PB, R)	
	Current rating (max)	10A resistive 250V a.c. (PB, R)	
	Life	100,000 cycles 20°C (PB, R) 50,000 cycles 70°C (PB, R)	
	Illumination type	T1¾ Wedge base bulb (L)	
Environmental & Physical			
	Ingress protection	IP67 (PB, R, L)	
	Impact rating	20J (PB, R, L)	
	Shock	50g (PB, R, L)	
	Operating temperature range	-40°C to +125°C (PB, R, L)	
	Body material	Zinc alloy (PB, R, L)	
	Actuator material	Zinc alloy (PB, R)	
	Lens material	Polycarbonate (L)	

Contact material

Terminal material

Fine silver (PB, R)

 $5\mu m$ bright acid tin plate nickel flash undercoat (PB, R, L)

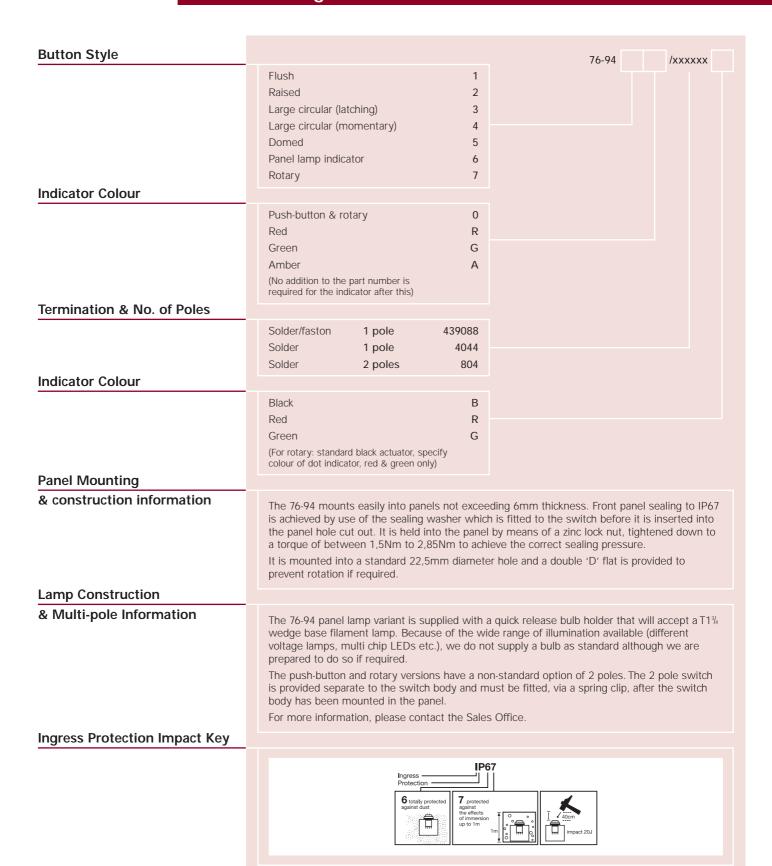
Key

РΒ Push-button

R

Rotary Panel Lamp Indicator

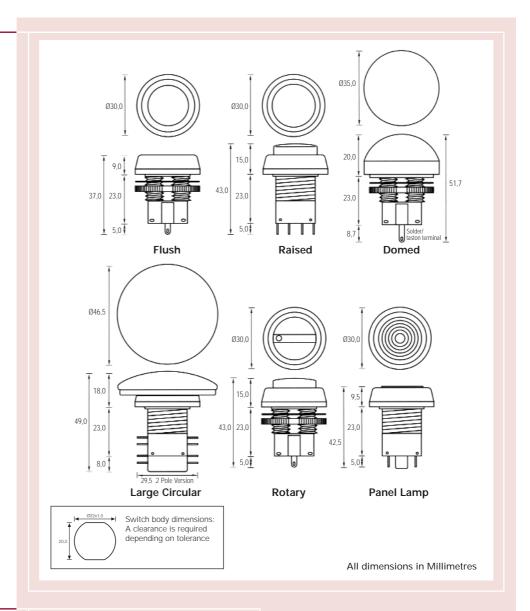
Ordering Information



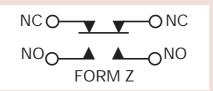
SERIES 76-94 Panel Sealed Range

Technical Information

Product Drawings



Circuit Form



Application References

- Military environments
- Robust industrial
- Vandal resistant requirements
- Mining industry

- Petrochemical
- Process control
- Material handling

Further Information

For further information on our complete range of switch products, visit our website – www.itwswitchcon.com or contact our Sales Office.



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