

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)



Arlin Pty Ltd

Technical Information

Series 76-94		
	The 76-94 Series has been designed to	o cover a wide range of harsh environmental applications.
	The range is available in 3 styles, push-button, rotary and panel lamp. 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. The entire range is panel sealed to IP67 and due to the construction and the materials used, are all capable of surviving the impact of a 5kg mass dropped from 40cm (20J). All the bezels and the actuators of the push-buttons and rotaries are made from a non-sparking zinc alloy whilst the panel lamp lens is manufactured from polycarbonate, which maintains the specification of the range. Non-standard options for the range include custom colours, PCB terminals, gold contacts and 2 pole variants.	
	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 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)
	0 6	1 x 10 ⁵ cycles (Latched Push-button)
	Operating force	7N (PB)
	Contact bounce Panel thickness (max)	5ms (PB, R) 6mm (PB, R, L)
	Tariot chiokiness (max)	51111 (1 5, 1 K) L)
Electrical	B: 1 : : : : : : : : : : : : : : : : : :	4000L/ DMC (DD D)
	Dielectric strength	1000V RMS (PB, R)
	Insulation resistance	1GΩ (PB, R)
	Contact resistance (initial)	25mΩ (PB, R)
	Current rating (max) Life	10A resistive 250V a.c. (PB, R) 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	Fine silver (PB, R)
	Terminal material	5µm bright acid tin plate nickel flash undercoat (PB, R, L)
Kov		
Rey PB Push-button		
R Rotary L Panel Lamp Indicator		

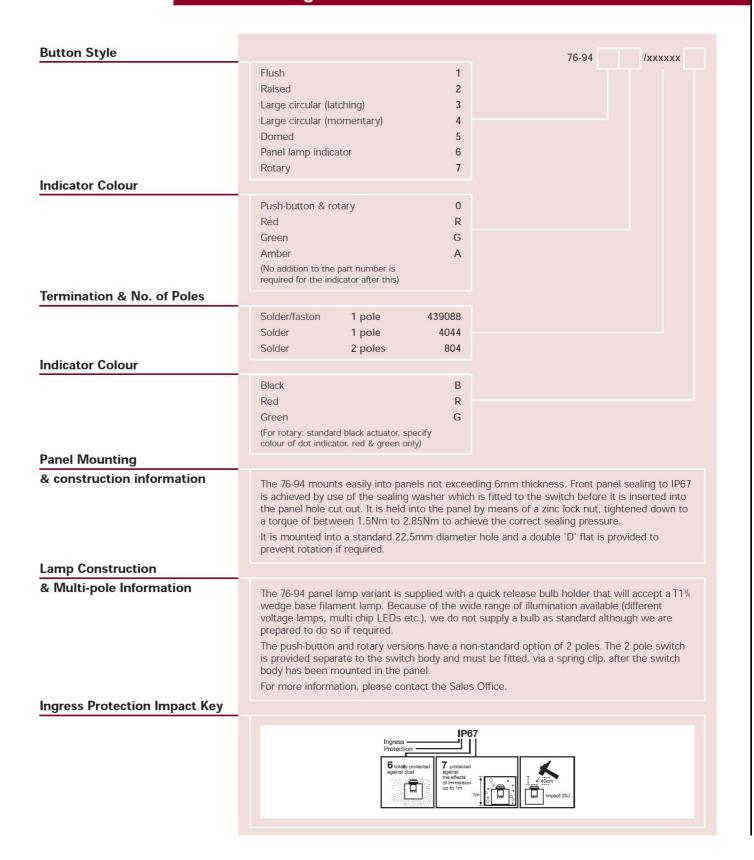


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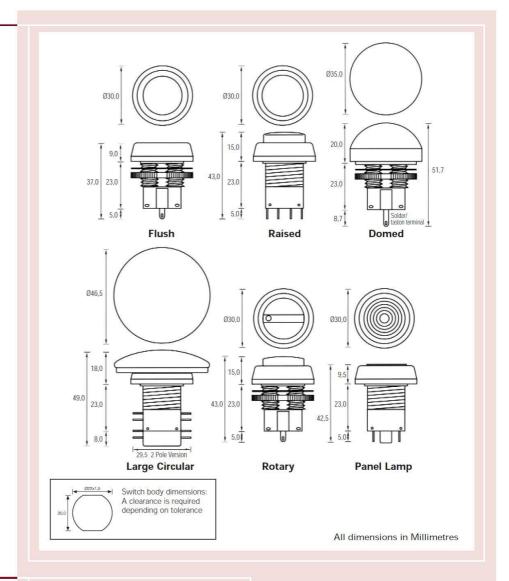
Ordering Information



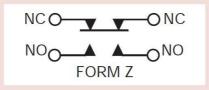


Technical Information

Product Drawings



Circuit Form



Application References

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

- Petrochemical
- Process control
- Material handling



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