

# Blore Edwards Rotary Wafer Switches – PXM

*We're in control*

## General characteristics of TYPE PXM

The Type PXM Rotary Wafer Switch has 23.8mm diameter moulded wafers and is available in three versions; 30°, 36° and 60° indexing. The rugged die-cast aluminium housings are available with imperial and metric threads and with 0° set and 45° locating lugs if required.

## Electrical Specification

Maximum working voltage 300V ac (rms) or dc

### Contact rating

Current Carrying	2 Amp Continuous
Current Breaking with resistive load	25 Watt ac or 15 Watt dc Recommended max voltage 300V ac and max current 500mA ac, dc
Proof voltage	1000V ac (rms) minimum
Insulation resistance (all paths)	Greater than 10 <sup>6</sup> Megohms
Contact resistance (initial)	2 – 10 Milliohms
(After 20,000 cycles)	Not greater than 5 milliohms above initial

## Mechanical Specification

End Stop Strength 1.7Nm (15lb ins)

### Maximum switching per wafer

Poles	1	2	3	4	5	6	7	
Ways	12	9	5	4	3	2	2	30° Indexing
Ways	10	6	4	3				36° Indexing
Ways	6	6	3	3				60° Indexing

## Contacts

Standard – Brass silver plated, silver alloy or brass gold plated contacts are available  
PC Terminations – available in above finishes  
PC Pin and standard terminations

## Rotor Blades

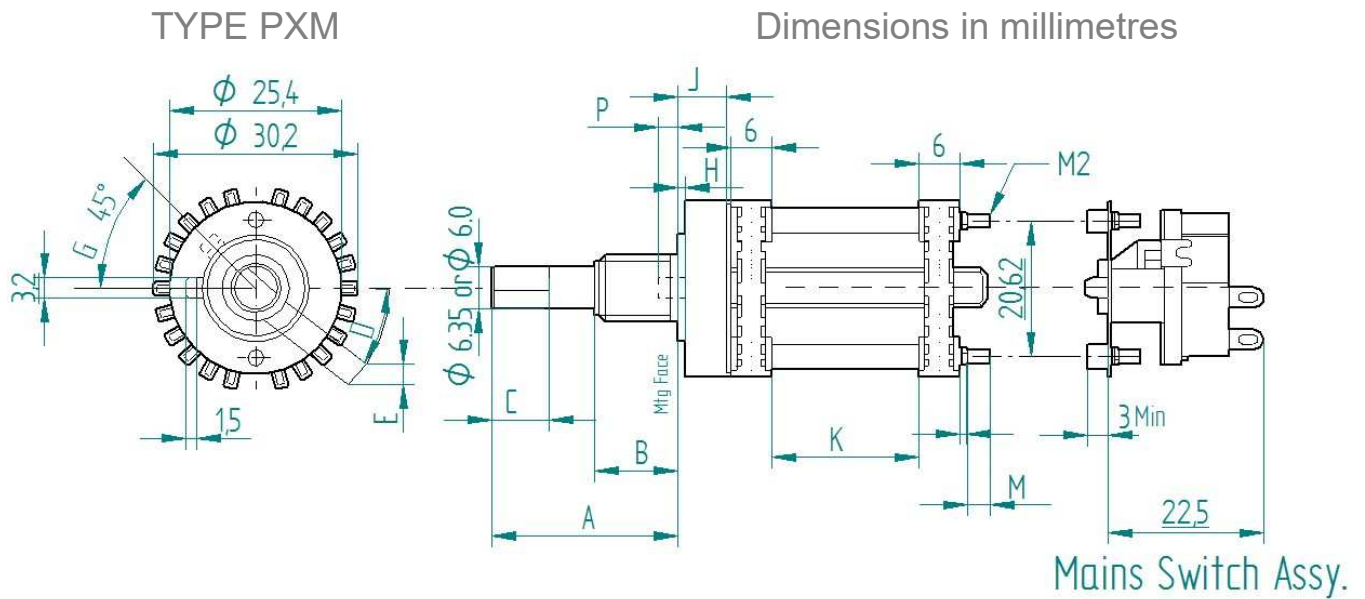
Make before break or break before make, all available in above finishes

## Insulation

Stator – Moulded diallylphthalate (DAP)  
Rotor – Acetal resin

## Finish

Standard – Zinc plated and passivated. Other finishes available on request



## Key to Details

- A. Shaft length to specification
- B. Bushing thread length. Imp. 9.5 or 6.35 and Metric 8.0,10.0 or 12.0mm
- C. Flat length to specification. Special flat trims may be provided to special requirement
- D. Angle of flat to specification +/-2°. Specify position of flat with switch in fully anti-clockwise position when viewed from knob end.
- E. Flat thickness to spec. standard 5.54 +/-0.05
- F. Distance of locating key centre line to centre line of shaft.
- G. Angle of locating key: Type PXM 0° and 45°
- H. Bushing shoulder: Type PXM 0.81
- J. Type PXM 6.0 standard version.
- K. Wafers are self-stacking. Spacing between wafers can be provided in 1mm increments.
- L. If no spacer 2.7 spacers may be inserted at this point in 1mm increments.
- M. As required.
- P. Locating lug lengths  
Unsealed Type PXM 1.6mm above mounting face.  
Sealed Type PXM 0.06/0.30 below mounting face.

## Optional features

Concentric shafts – dual concentric mechanisms, panel and spindle seals, printed circuit terminations, adjustable stop, electrostatic screens and facilities for fitting mains switches, potentiometers and potentiometers with mains switches.

## Typical Applications

The PXM is used for military, professional and medical applications. It is ideally suited for small spaces.