

# -PowerBreaker-

## MCB Range - Information Sheet

(Miniature Circuit Breakers)

The PowerBreaker range of circuit protection devices are designed and tested for use with PowerBreaker Consumer Units.

These devices **MUST** be installed and tested by a qualified electrician in accordance with the latest Wiring Regulations (BS7671).

### MAINTENANCE / TESTING

After installation the MCB should be Tested in accordance with the IET Wiring Regulations.

### What to do if the MCB trips

Reset the tripped MCB to the **ON** position. If the device trips again, disconnect all appliances connected to this circuit. Switch the MCB **ON** and safely connect the appliances one at a time to identify which one trips the device.

**In all cases, once the faulty appliance has been identified, DO NOT continue to use the item until it has been checked.**

If fault persists, call a qualified electrician to check the installation.



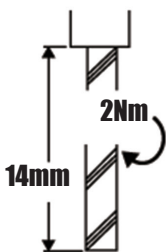
**Type B curve is used for the protection of circuits with equipment that have low surge currents.**

**Type B devices are designed to trip at fault currents of 3 - 5 times rated (In). For example a 10A device will trip at 30-50A instantaneous current.**

### TECHNICAL INFORMATION

	PBM06B	PBM10B	PBM16B	PBM20B	PBM32B	PBM40B	PBM50B	PBM63B
<b>Rated Residual Current</b>	6A	10A	16A	20A	32A	40A	50A	63A
<b>Pack Quantity</b>	12							
<b>Barcode</b>	5012739 648557	5012739 648564	5012739 648571	5012739 648588	5012739 648595	5012739 648601	5012739 648618	5012739 648625
<b>Number of Poles</b>	1P (Single Pole)							
<b>Rated Voltage</b>	230/240VAC							
<b>Rated Frequency</b>	50/60Hz							
<b>Rated Short-Circuit Capacity</b>	6kA							
<b>Tripping Characteristics</b>	Type B							
<b>Index of Protection</b>	IP20							
<b>Terminals</b>	1 -25mm <sup>2</sup>							
<b>Mechanical Endurance</b>	10,000 times							
<b>Electrical Endurance</b>	4,000 times							
<b>Ambient Temperature</b>	- 25°C to +55°C							
<b>Storage Temperature</b>	- 40°C to +70°C							
<b>Torque (Rec minimum required)</b>	2.0Nm							
<b>Din Rail Mounting</b>	Yes							
<b>Guarantee</b>	3 Years							
<b>Conforms To</b>	BS EN 60898							

#### Torque Setting & Cable Strip Length



Please keep this information for future reference

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**GUARANTEE**  
Your PowerBreaker MCB is guaranteed for 3 years from the date of purchase. This is in addition to your statutory rights

