

**Technical Information**
**NH RCBOs**

**Overview:**
**Devices (RCBOs)**

- 10kA Fault Rating
- 6A – 50A Current Range
- Type B & C Characteristics
- 30mA Sensitivity

**Features:**

- 18mm wide modules
- Suitable for use within Loadstar Distribution Boards
- Unswitched Neutral
- Longer flying lead option available (1.2m)
- Compliance with BS EN 61009

**Part No.s**

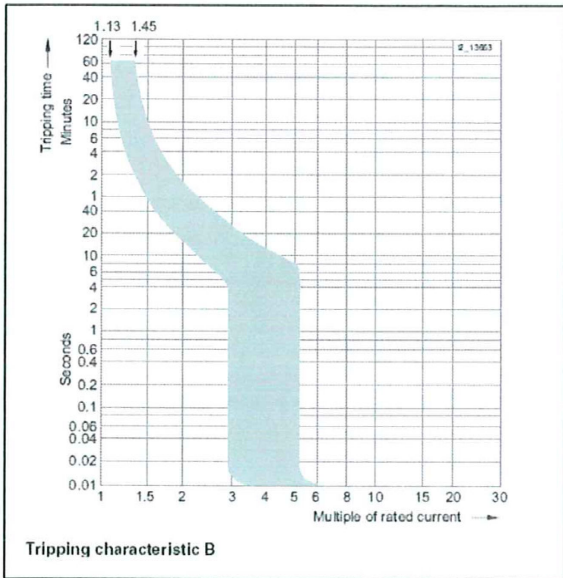
Current Rating	Type B	Type C
6A	PSBS6-B/1	PSBS6/1
10A	PSBS10-B/1	PSBS10/1
16A	PSBS16-B/1	PSBS16/1
20A	PSBS20-B/1	PSBS20/1
32A	PSBS32-B/1	PSBS32/1
40A	PSBS40-B/1	PSBS40/1
50A	PSBS50-B/1	PSBS50/1

**Technical Specification:**

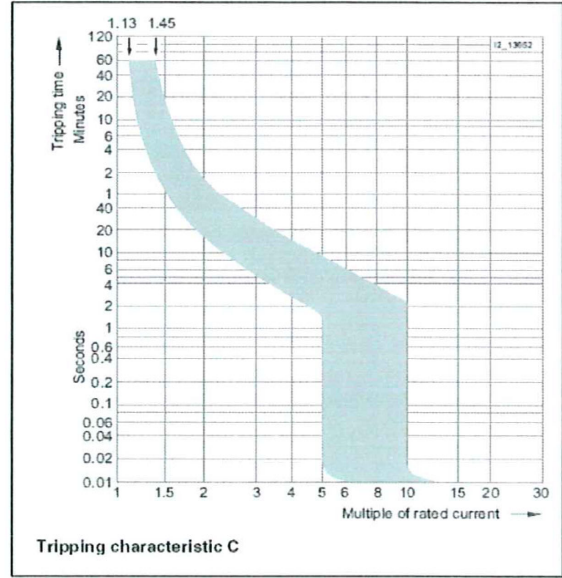
<b>Standards Approved acc. to</b>		IEC/EN 61009-1 & IEC/EN 61009-2-1
<b>Tripping Characteristics</b>		B & C
<b>Rated Voltages Un</b>	V AC	230 (24)
<b>Rated Frequency Fn</b>	Hz	50...60
<b>Rated Currents In</b>	A	6, 10, 16, 20, 32, 40, 50
<b>Rated Residual Currents I<math>\Delta</math>n</b>	mA	30
<b>Terminals / Conductor Cross Sections</b>	kA	3
• Outgoing	mm <sup>2</sup>	0.75...16
• Terminal Tightening Torque	Nm	2
<b>Mains Connection</b>		Bottom
<b>Mounting Position</b>		Any
<b>Degree of Protection acc. to EN 60529</b>		IP20 with connected conductors
<b>Touch Protection to EN 50274-1</b>		Finger and back-of-hand safe
<b>Service Life Test cycle acc. to IEC/EN 61009</b>	Switch Cycles	>10000
<b>Storage Temperature</b>	°C	-40...+75
<b>Ambient Temperature</b>	°C	-25...+45

<b>Resistance to Climate</b> Acc. to IEC 60068-2-30		28 cycles (55°C: 95% rel. air humidity)
<b>CFC and Silicone Free</b>		Yes

**Trip Curves:**

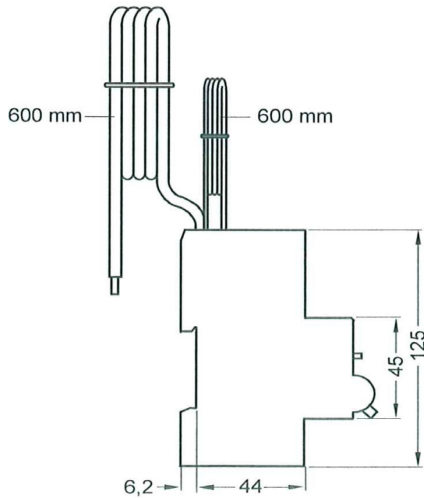


**B Curve:** For universal use in socket outlet lighting circuits



**C Curve:** Advantageous in lighting and motor circuits with higher starting currents

**Dimensions:**



**Earth Loop Impedance Values:**

<b>Earth fault loop impedances (<math>Z_s</math> ohms) to give compliance with BS7671 regulations 411.3.2.2 &amp; 411.3.2.3 at 230V</b>	
	<b>Maximum earth fault loop impedance (Ohms)</b>
<b>Device Rating</b>	<b>RCBO</b>
6A	1666
10A	1666
16A	1666
20A	1666
32A	1666
40A	1666
50A	1666

**Further Information:**

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