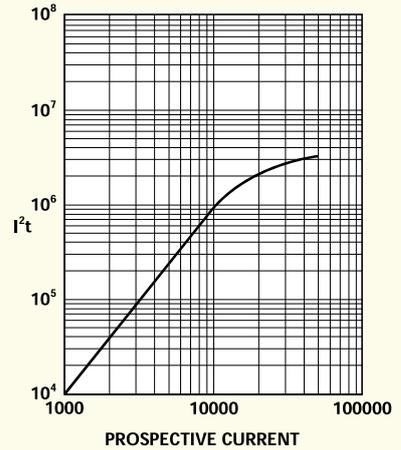


J & JM FRAME SPECIFICATION

• Specification	BSEN60947-2
• Current Range	25 – 200A
• Ue Rated Operation Voltage	240V SP 415V TP
• Ui Rated Insulation Voltage	660V AC
• Rated Frequency	50/60Hz
• Release	Thermal Magnetic
• Thermal Adjustment	0.7 – 1.0 x Rated Current
• Instantaneous Adjustment	Non-adjustable
• Short Circuit Breaking Capacity	Icu at 415V = 25KA, Ics = 75%Icu
• Ambient Range	-20°C to 55°C
• Humidity Range	0 – 90%
• Weight	SP – 0.7Kg TP – 1.8Kg TPSWM – 2.4Kg



FEATURES

From J Frame to N Frame Powerstar MCCBs feature escutcheons of the same height allowing any of the frame sizes to be grouped together in a single panel cutout.

Front adjustable thermal tripping elements.

OPTIONS

- ST UVR
- Aux SW
- Castell Lock Direct Mounting
- Rotary Handle
- Padlocking
- Terminal Shrouds
- Backstuds
- 4th Poles when fitted are left hand side

(See Product Section for selection)

SHORT CIRCUIT BREAKING CAPACITY

<b>Ue</b>	<b>Icu</b>
220 V	50 kA
380 V	32 kA
415 V	25 kA
<b>Ics = 75% Icu</b>	

INSTANTANEOUS TRIP BANDS

J Frame	JM Frame
25 – 63A = 400A	
80 – 125A = 800A	
160 – 200A = 1600A	50 – 200 = 1600A

TERMINALS

Front-connected clamps –  
 25A to 100A – 70mm<sup>2</sup>  
 125A to 200A – 120mm<sup>2</sup> solid/150mm<sup>2</sup> stranded  
 Backstuds available – M12

AUXILLIARY EQUIPMENT OPTIONS

- UVR & Auxillary Switch
- Shunt Trip & Auxillary Switches
- Two Auxillary Switches each to change over

Shunt Trip Voltage Range 70 – 110%  
 Under Voltage Release Threshold 70 – 35%  
 UVR Power Pack 10VA

(110V & 415V units also supplied with transformer additional to Powerpack.)

Auxiliary Contact Ratings

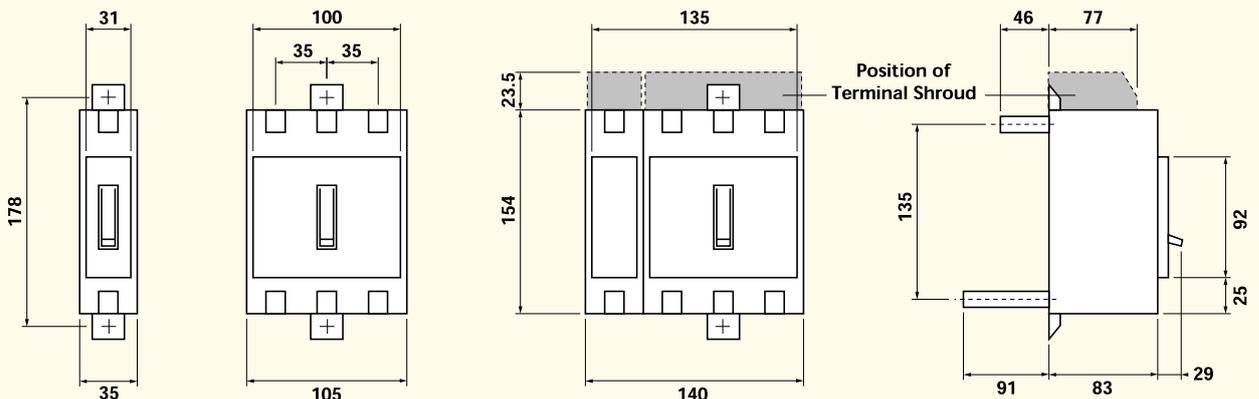
Voltage	Resist' Load (A)	Tungsten NC (A)	Load NO (A)	Induct' Load (A)
<b>AC</b>				
125	10	2	1	10
250	10	1.5	1	10
<b>DC</b>				
30	10	3	1.5	10
50	3	0.8	0.8	2.5
125	0.5	0.5	0.5	0.07

POWERSTAR J FRAME MAXIMUM EARTH LOOP IMPEDANCES Zs (ohms) for Uo = 240V~

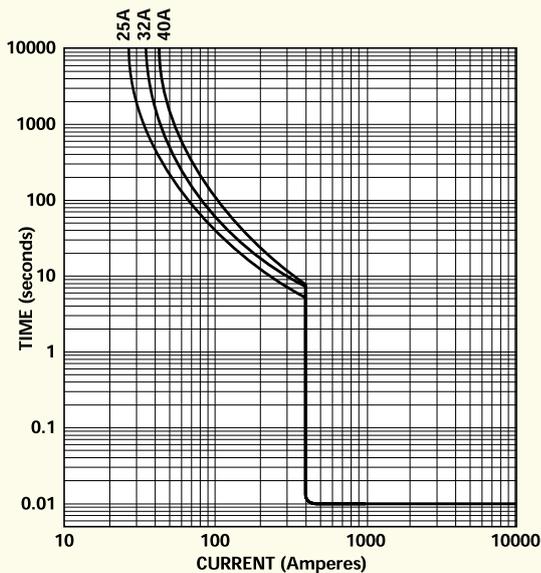
Current Rating (A)	25	32	40	50	63	80	100	125	160	200
0.4 Seconds Disconnection Time	0.500Ω	0.500Ω	0.500Ω	0.500Ω	0.500Ω	0.250Ω	0.250Ω	0.250Ω	0.125Ω	0.125Ω
5.00 Seconds Disconnection Time	0.500Ω	0.500Ω	0.500Ω	0.500Ω	0.500Ω	0.250Ω	0.250Ω	0.250Ω	0.125Ω	0.125Ω

POWERSTAR JM FRAME MAXIMUM EARTH LOOP IMPEDANCES Zs (ohms) for Uo = 240V~

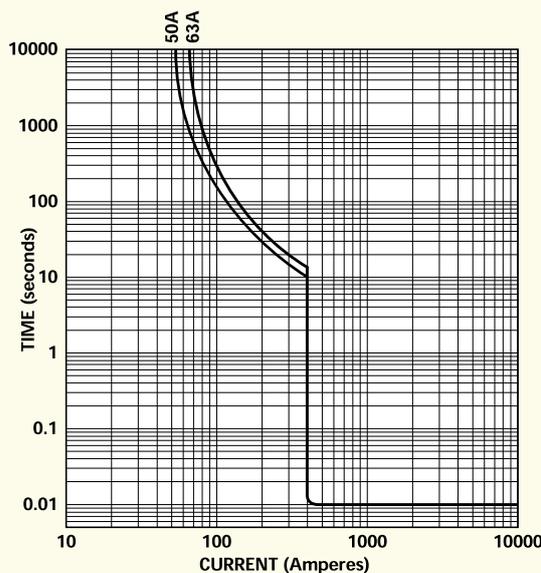
Current Rating (A)	50	63	80	100	125	160	200
0.4 Seconds Disconnection Time	0.125Ω						
5.00 Seconds Disconnection Time	0.125Ω						



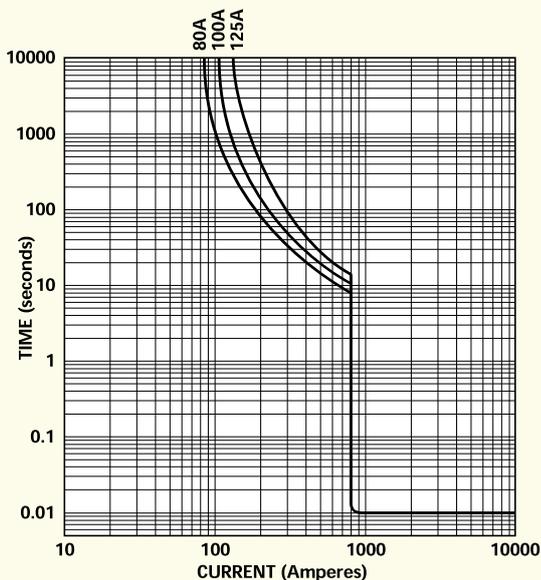
**J 25-40 AMP**



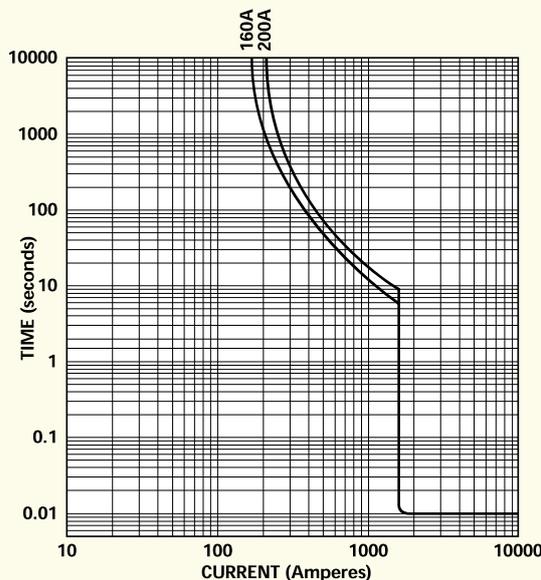
**J 50-63 AMP**



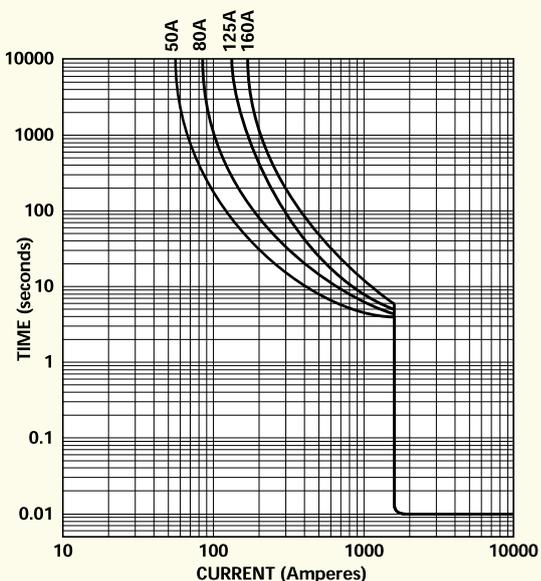
**J 80-125 AMP**



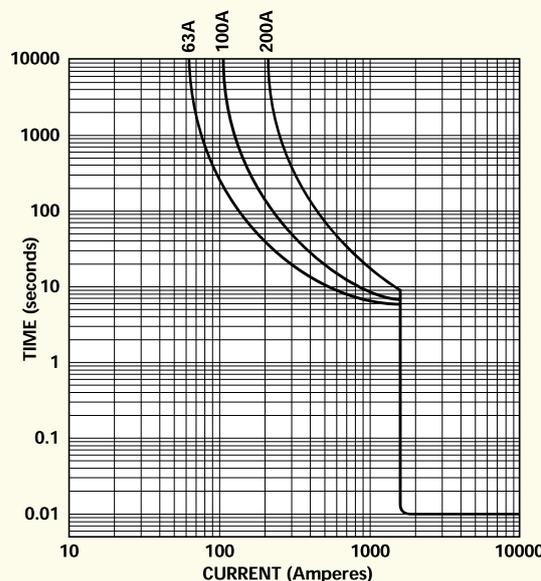
**J 160-200 AMP**



**JM 50-100 AMP**



**JM 63-200 AMP**



Tolerance on Instantaneous Current Values  $\pm 10\%$