

# electrium



 **Crabtree**

Starbreaker  
Miniature SPD  
Overvoltage Protection Device

# MINIATURE SPD FOR SURGE PROTECTION IN DOMESTIC HOUSEHOLD PREMISES

## SINGLE MODULE SPD

At just **18mm wide** this miniature SPD leaves more ways for household circuits and allows the most compact consumer unit to be used.

## FULLY RATED 100A

No need for an additional back up device in the consumer unit.

## SIMPLE TO INSTALL

Plugs directly onto the busbar (just like a Starbreaker MCB) Instantly connecting it to the busbar.

## LESS WIRING

Fewer cable links to connect than alternative products, which speeds up installation (supplied with cables).

## TYPE 2 SURGE PROTECTION

With status indicator and volt free contacts for remote monitoring and/or signalling.

## SECURE CARTRIDGE ASSEMBLY

Once Installed, cartridges are securely locked into place and cannot be removed for replacement without use of a tool.

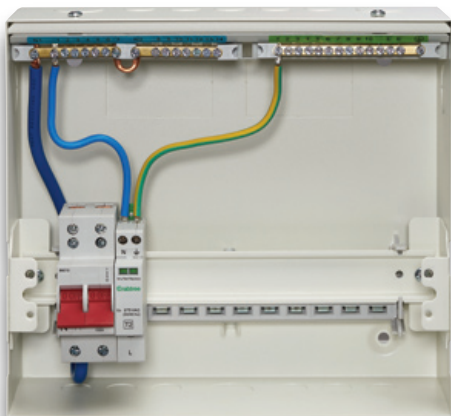
## CERTIFIED AS FULLY COMPLIANT

Crabtree single module SPDs are designed, manufactured & tested to IEC EN61643-11 and certified as compliant.

## RETROFIT COMPATIBLE

Fits all Starbreaker consumer units\*. Supplied with a retrofit circuit icons label pack.

\* Not suitable for Dual RCD configurations



Starbreaker Main Switch Consumer Unit



**SBT2SPD3W/1**

### SURGE PROTECTION DEVICE

CAT REF	DESCRIPTION
<b>SBT2SPD3W/1</b>	Miniature Type 2 SPD

- Suitable for all Single Phase 3 Wire Systems TN-C-S, TN-S and TT
- Clear Indication of device status
- Fitted with remote signalling contact
- Starbreaker device with plug-in busbar connection
- Suitable for use in Main Switch, Split Load & Hi-Integrity consumer unit configurations
- Not suitable for Dual RCD configurations

Alternative SPD products are available for Dual RCD consumer unit installations. Please contact Crabtree technical for further assistance.

### TECHNICAL DATA

<b>Product Standard</b>	IEC EN 61643-11
<b>Nominal discharge surge current (8/20) <math>\mu</math>s</b>	20kA
<b>Short-circuit breaking capacity (I<sub>sc</sub>cr)</b>	25kA
<b>Max. continuous voltage AC</b>	275V
<b>Max. discharge surge current (8/20) <math>\mu</math>s</b>	40kA
<b>Voltage protection level</b>	1.3 kV
<b>Voltage protection level L-N</b>	1.3 kV
<b>Voltage protection level N-PE</b>	1.3 kV
<b>Degree of protection</b>	IP20
<b>Dimensions</b>	Height 85mm x Width 18mm x Depth 70mm



**CRT2SPD/P**

### REPLACEMENT PLUG-IN CARTRIDGE

CAT REF	DESCRIPTION
<b>CRT2SPD/P</b>	Replacement Plug-in Cartridge for <b>SBT2SPD3W/1</b>

- Combined Metal Oxide Varistor (L1 & N) and Gas Discharge Tube (N & E)

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Although every effort has been made to ensure accuracy in the compilation of the technical detail within this publication, specifications and performance data are constantly changing. Users should always consult the installations instructions, IET wiring regulations and all other relevant documents, and not solely rely on information in this catalogue.

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