

## PRODUCT-DETAILS

# RV5/133

## RV5/133 Surge Suppressor



### General Information

|                       |                          |
|-----------------------|--------------------------|
| Extended Product Type | RV5/133                  |
| Product ID            | 1SBN050010R1001          |
| EAN                   | 3471522121332            |
| Catalog Description   | RV5/133 Surge Suppressor |

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Long Description | <p>RV5/133 is a varistor surge suppressor designed to reduce the maximum overvoltage peak value and to limit or even completely eliminate the high pre-damping voltage frequencies, when used with an AC operated conventional contactor for a rated control circuit voltage between 50 ...133 V AC 50/60Hz or with a DC operated conventional contactor for a rated control circuit voltage between 50 ...133 V DC. The operation of inductive circuits causes overvoltages, in particular on opening of the contactor coil. The electromagnetic energy stored in the coil during contactor closing is restored on opening in the form of surges, the slope and amplitude of which may rise to several kilovolts. A number of drawbacks are observed ranging from interference on the electronic devices to breakdown of insulators and even destruction of certain sensitive components.</p> <p>Note: A varistor is a resistor whose value decreases to a very large extent when a certain voltage is applied at its terminals.</p> <p>Advantages:</p> <ul style="list-style-type: none"> <li>- the surge suppressor is clipped onto the top or side part in regards with the contactor or contactor relay base design without change in device overall dimensions.</li> <li>- high energy absorption: good damping - Unpolarized system.</li> </ul> <p>Drawback: clipping as from the varistor operating voltage, thus voltage front up to this point.</p> |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Ordering

|                    |               |
|--------------------|---------------|
| E-Number (Finland) | 3709202       |
| EAN                | 3471522121332 |

|                              |                 |
|------------------------------|-----------------|
| Minimum Order Quantity       | 2 piece         |
| Customs Tariff Number        | 85363030        |
| Replacement Product ID (NEW) | 1SBN050400R1001 |

## Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 30.25 mm |
| Product Net Height         | 10.5 mm  |
| Product Net Depth / Length | 32.4 mm  |
| Product Net Weight         | 0.015 kg |

## Container Information

|                                |                 |
|--------------------------------|-----------------|
| Package Level 1 Units          | blister 2 piece |
| Package Level 1 Width          | 65 mm           |
| Package Level 1 Height         | 12 mm           |
| Package Level 1 Depth / Length | 96 mm           |
| Package Level 1 Gross Weight   | 0.03 kg         |
| Package Level 1 EAN            | 3471522121332   |
| Package Level 2 Units          | box 324 piece   |
| Package Level 2 Width          | 245 mm          |
| Package Level 2 Height         | 153 mm          |
| Package Level 2 Depth / Length | 75 mm           |
| Package Level 2 Gross Weight   | 4.86 kg         |
| Package Level 3 Units          | 1200 piece      |

## Environmental

|                         |                                                                 |
|-------------------------|-----------------------------------------------------------------|
| Ambient Air Temperature | Operation -20 ... +70 °C                                        |
| RoHS Status             | Following EU Directive 2002/95/EC August 18, 2005 and amendment |

## Additional Information

|                                                 |                                                                                                          |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Mounting on Contactors                          | A 9...A 75                                                                                               |
| Mounting Type                                   | Clipped onto the top or bottom part of the contactor or contactor relay                                  |
| Order Multiple                                  | 2 piece                                                                                                  |
| Product Main Type                               | Accessories for Block Contactors                                                                         |
| Product Name                                    | Surge Suppressor                                                                                         |
| Rated Control Circuit Voltage (U <sub>c</sub> ) | 50 Hz / 60 Hz 50 ...133 V DC<br>DC Operation 50 ...133 V DC                                              |
| RoHS Date                                       | 20060502                                                                                                 |
| Suitable For                                    | AS09<br>AS12<br>AS16<br>ASL09<br>ASL12<br>ASL16<br>VAS09<br>VAS12<br>VAS16<br>VASL09<br>VASL12<br>VASL16 |

NS  
 NSL  
 AX06  
 AX09  
 AX12  
 AX18  
 AX25  
 AX32  
 AX40  
 AX50  
 AX65  
 AX80  
 AX95  
 AX115  
 AX150  
 NX  
 UA16  
 UA26  
 UA30  
 UA50  
 UA63  
 UA75  
 UA16RA  
 UA26RA  
 UA30RA  
 UA50RA  
 UA63RA  
 UA75RA  
 GA75  
 GAE75

Version

Varistor

## Certificates and Declarations (Document Number)

|                                   |                             |
|-----------------------------------|-----------------------------|
| Data Sheet, Technical Information | 1SBC100214C0201             |
| Declaration of Conformity - CE    | 1SBD250816U1000             |
| Environmental Information         | 1SBD250137E1000             |
| GOST Certificate                  | GOST_POCCFR.ME77.B07175.pdf |
| Instructions and Manuals          | 1SBC101020M9701             |
| RINA Certificate                  | RINA_ELE172319XG001         |
| RoHS Information                  | 1SBD350059R1000             |
| UL Certificate                    | UL_20120523-E312527_1_3     |
| UL Listing Card                   | UL_E312527                  |

## Classifications

|               |                                                            |
|---------------|------------------------------------------------------------|
| ETIM 4        | EC002498 - Accessories for low-voltage switch technology   |
| ETIM 5        | EC002498 - Accessories for low-voltage switch technology   |
| ETIM 6        | EC002498 - Accessories for low-voltage switch technology   |
| ETIM 7        | EC002498 - Accessories for low-voltage switch technology   |
| UNSPSC        | 39120000                                                   |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |

## Categories

Low Voltage Products and Systems → Control Products → Contactors → Block Contactors Accessories

