ABB

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PRODUCT-DETAILS

RC5-2/250
RC5-2/250 Surge Suppressor

General Information

Extended Product Type	RC5-2/250
Product ID	1SBN050200R1002
EAN	3471522121301
Catalog Description	RC5-2/250 Surge Suppressor
Long Description	RC5-2/250 is a RC type 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 110 ... 250 V AC 50/60Hz. 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. Advantages: - 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. - very fast clipping: attenuation of steep fronts and thus of high frequencies. No operating delays.

2024/04/12

Ordering

Minimum Order Quantity	2 piece
Customs Tariff Number	85363030
Replacement Product ID (NEW)	1SBN050410R1002

Popular Downloads

Data Sheet, Technical Information	1SBC100214C0201
CAD Dimensional Drawing	2CDC001079B0201

Dimensions

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

Technical

Rated Frequency (f)	Control Circuit 50 / 60 Hz
Rated Control Circuit Voltage (U_c)	50 Hz / 60 Hz 110 ... 250 V AC
Suitable For	A45
	A50
	A63
	A75
	A95
	A110
	GA75
	UA50
	UA63
	UA75
	UA95
	UA110
	UA50RA
	UA63RA
	UA75RA
	UA95RA
	UA110RA
	AX50
	AX65
	AX80
	AX95
	AX115
	AX150

Environmental

Ambient Air Temperature	Operation -20 ... +70 °C

Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	2CMT2021-006202
RoHS Information	2CMT2021-006277
RoHS Status	Following EU Directive 2002/95/EC August 18, 2005 and amendment
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Certificates and Declarations

Declaration of Conformity - CE	1SBD250816U1000
Declaration of Conformity - UKCA	1SBD250833U1000
GOST Certificate	GOST_POCCFR.ME77.B07175.pdf
RINA Certificate	RINA_ELE172319XG001
UL Certificate	UL_20120523-E312527_1_3
UL Listing Card	UL_E312527

Container Information

Package Level 1 Units	blister 2 piece
Package Level 1 Width	65 mm
Package Level 1 Depth / Length	96 mm
Package Level 1 Height	12 mm
Package Level 1 Gross Weight	0.03 kg
Package Level 1 EAN	3471522121301
Package Level 2 Units	box 324 piece
Package Level 2 Width	245 mm
Package Level 2 Depth / Length	75 mm
Package Level 2 Height	153 mm
Package Level 2 Gross Weight	4.86 kg
Package Level 3 Units	1200 piece

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
ETIM 8	EC002498 - Accessories/spare parts for low-voltage switch technology
eClass	V11.0 : 27371392
UNSPSC	39121610
IDEA Granular Category Code (IGCC)	4906 >> Surge suppressers
E-Number (Finland)	3709199

Where Used (as a spare part for "Products")

Identifier	Description	Quantity	Unit Of Measure
3HAC020536-014	No Description Available	1	piece

Product specific part data

Product	Robotics Part Category	Robot Design Year
3HAC020536-014	Process Module	IRC5 M2004

Categories

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

Robotics → Controllers → IRC5 → IRC5 Single

2024/04/12   Subject to change without notice