

PRODUCT-DETAILS

S-ARC1 C20

S-ARC1 C20 Arc fault detection device integrated with MCB



General Information

Extended Product Type	S-ARC1 C20
Product ID	2CSA255901R9204
EAN	8012542175438
Catalog Description	S-ARC1 C20 Arc fault detection device integrated with MCB
Long Description	S-ARC1 is a 1P+N arc fault detection device (AFDD) with an integrated MCB in two modules, for the protection against short-circuit currents, overload, earth arc faults, parallel arc faults and series arc faults.

Ordering

E-Number (Finland)	3211055
E-Number (Sweden)	2100156
EAN	8012542175438
Minimum Order Quantity	1 piece
Customs Tariff Number	85363030

Dimensions

Product Net Width	0.035 m
Product Net Height	0.085 m

Product Net Depth / Length	0.069 m
Product Net Weight	0.180 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	0.040 m
Package Level 1 Height	0.095 m
Package Level 1 Depth / Length	0.079 m
Package Level 1 Gross Weight	0.200 kg
Package Level 1 EAN	8012542175438

Environmental

Ambient Air Temperature	Operation -25 ... +55 °C Storage -40 ... +70 °C
Resistance to Vibrations acc. to IEC 60068-2-6	0.2 mm or 5 g - 20 cycles at 5...150...5 Hz
Resistance to Shock acc. to IEC 60068-2-27	25g / 2 shocks / 13 ms
RoHS Status	Following EU Directive 2011/65/EU

Additional Information

Accessory Type	Auxiliary contact Signal contact / auxiliary contact Shunt trip Undervoltage release Overvoltage release
Actuator Type	Toggle - Insulation group II, Orange RAL 2004, sealable in ON-OFF-positions
Auxiliary Voltage AC/DC	230 V
Connecting Capacity	Busbar 10 mm² Rigid 1 ... 25 mm² Flexible 1 ... 25 mm²
Degree of Protection	Housing IP40 Terminals IP20
Dielectric Test Voltage	2.5 kV
Energy Limiting Class	3
Frequency (f)	50 Hz
Housing Type	Insulation group I, RAL 7035
Mounting Position	Any
Mounting Type	on DIN rail EN 60715 (35 mm) by means of mounting clip
Number of Poles	2
Number of Protected Poles	1
Options Provided	-
Overvoltage Category	III
Pollution Degree	2
Position of Neutral	Right

Terminals

Power Loss	3.6 W
Power Supply Connection	Arbitrary
Product Main Type	S-ARC1
Product Name	Arc fault detection device integrated with MCB
Rated Current (I_n)	20 A
Rated Frequency (f)	50...60 Hz
Rated Voltage (U_r)	230 V
Rated Insulation Voltage (U_i)	500 V AC
Rated Operational Voltage	230-240 V AC
Rated Service Short-Circuit Breaking Capacity (I_{cs})	6 kA
Rated Short-Circuit Capacity (I_{cn})	6 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	7.5 kA
Release Type	C
RoHS Date	20170621
Standards	IEC 62606 EN 62606 IEC 60898-1 EN 60898-1
Terminal Type	Screw Terminals
Tightening Torque	2.8 N·m
Tripping Characteristic	C
Wire Stripping Length	12 mm

Certificates and Declarations (Document Number)

Data Sheet, Technical Information	2CDC420032D0201
Declaration of Conformity - CE	9AKK107045A1563
Instructions and Manuals	9AKK106930A8985 9AKK106930A8986
RoHS Information	9AKK107045A1564

Classifications

ETIM 5	EC002694 - Miniature circuit breaker (MCB) with auxiliary device
ETIM 6	EC002694 - Miniature circuit breaker (MCB) with auxiliary device
ETIM 7	EC002694 - Miniature circuit breaker (MCB) with auxiliary device
Object Classification Code	Q
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
2CSS200933R0011	F2C-A1 Shunt trip	F2C-A1	1	piece
2CSS200933R0012	F2C-A2 Shunt trip	F2C-A2	1	piece
2CDS200912R0001	S2C-H6R - Auxiliary Contact	S2C-H6R	1	piece
2CDS200946R0001	S2C-H6-11R - Auxiliary Contact	S2C-H6-11R	1	piece
2CDS200946R0002	S2C-H6-20R - Auxiliary Contact	S2C-H6-20R	1	piece
2CDS200946R0003	S2C-H6-02R - Auxiliary Contact	S2C-H6-02R	1	piece
2CDS200922R0001	S2C-S/H6R - Signal / Auxiliary Contact	S2C-S/H6R	1	piece
2CSS200911R0001	S2C-UA 12 DC - Undervoltage release	S2C-UA 12 DC	1	piece
2CSS200911R0002	S2C-UA 24 AC - Undervoltage release	S2C-UA 24 AC	1	piece
2CSS200911R0003	S2C-UA 48 AC - Undervoltage release	S2C-UA 48 AC	1	piece
2CSS200911R0004	S2C-UA 110 AC - Undervoltage release	S2C-UA 110 AC	1	piece
2CSS200911R0005	S2C-UA 230 AC - Undervoltage release	S2C-UA 230 AC	1	piece
2CSS200911R0006	S2C-UA 400 AC - Undervoltage release	S2C-UA 400 AC	1	piece
2CSS200911R0007	S2C-UA 24 DC - Undervoltage release	S2C-UA 24 DC	1	piece
2CSS200911R0008	S2C-UA 48 DC - Undervoltage release	S2C-UA 48 DC	1	piece
2CSS200911R0009	S2C-UA 110 DC - Undervoltage release	S2C-UA 110 DC	1	piece
2CSS200911R0010	S2C-UA 230 DC - Undervoltage release	S2C-UA 230 DC	1	piece

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Protection Against Arc Faults AFDDs → Arc Fault Detection Devices with Integrated Overcurrent Protection - AFDD+MCB

