PRODUCT-DETAILS

S-ARC1 M B40

S-ARC1 M B40 Arc fault detection device integrated with MCB



General Information

Extended Product Type	S-ARC1 M B40
Product ID	2CSA275901R9405
EAN	8012542339915
Catalog Description	S-ARC1 M B40 Arc fault detection device integrated with MCB
Long Description	S-ARC1 M 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

EAN	8012542339915
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	8012542339915

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
Connecting Capacity	Flexible 10 mm² Flexible Busbar; 25 …25 mm² Flexible Rigid; 25 …25 mm²
Degree of Protection	Housing IP40 Terminals IP20
Dielectric Test Voltage	2.5 kV
Energy Limiting Class	3
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	-
Position of Neutral Terminals	Right
Power Loss	6.2 W
Power Supply Connection	Arbitrary
Product Main Type	S-ARC1 M
Product Name	Arc fault detection device integrated with MCB
Rated Current (I_n)	40 A
Rated Frequency (f)	50 / 60 Hz

Rated Insulation Voltage (U_i)	500 V AC
Rated Operational Voltage	230-240 V AC
Rated Service Short-Circuit Breaking Capacity (I_{cs})	7.5 kA
Rated Short-Circuit Capacity (I_{cn})	10 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	10 kA
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	B
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 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 Arbeitsstromausl. F200 bis 100A AC/DC 12-60V	F2C-A1	1	piece
2CSS200933R0012	F2C-A2 Arbeitsstromausl. F200 bis 100A AC 110-415V/DC 110-250V	F2C-A2	1	piece
2CDS200912R0001	S2C-H6R - Hilfskontakt	S2C-H6R	1	piece
2CDS200946R0001	S2C-H6-11R - Hilfskontakt	S2C-H6-11R	1	piece
2CDS200946R0002	S2C-H6-20R - Hilfskontakt	S2C-H6-20R	1	piece
2CDS200946R0003	S2C-H6-02R - Hilfskontakt	S2C-H6-02R	1	piece
2CDS200922R0001	S2C-S/H6R - Signalkontakt / Hilfsschalter	S2C-S/H6R	1	piece
2CSS200911R0001	S2C-UA 12 DC - Unterspannungsauslöser	S2C-UA 12 DC	1	piece
2CSS200911R0002	S2C-UA 24 AC - Unterspannungsauslöser	S2C-UA 24 AC	1	piece
2CSS200911R0003	S2C-UA 48 AC - Unterspannungsauslöser	S2C-UA 48 AC	1	piece
2CSS200911R0004	S2C-UA 110 AC - Unterspannungsauslöser	S2C-UA 110 AC	1	piece
2CSS200911R0005	S2C-UA 230 AC - Unterspannungsauslöser	S2C-UA 230 AC	1	piece
2CSS200911R0006	S2C-UA 400 AC - Unterspannungsauslöser	S2C-UA 400 AC	1	piece
2CSS200911R0007	S2C-UA 24 DC - Unterspannungsauslöser	S2C-UA 24 DC	1	piece
2CSS200911R0008	S2C-UA 48 DC - Unterspannungsauslöser	S2C-UA 48 DC	1	piece
2CSS200911R0009	S2C-UA 110 DC - Unterspannungsauslöser	S2C-UA 110 DC	1	piece
2CSS200911R0010	S2C-UA 230 DC - Unterspannungsauslöser	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






