

PRODUCT-DETAILS

## DS-ARC1 B16 A30

### DS-ARC1 B16 A30 Arc fault detection device integrated with RCBO



#### General Information

Extended Product Type	DS-ARC1 B16 A30
Product ID	2CSA255103R1165
EAN	8012542735519
Catalog Description	DS-ARC1 B16 A30 Arc fault detection device integrated with RCBO
Long Description	DS-ARC1 is a 1P+N arc fault detection device (AFDD) with an integrated RCBO in three modules, for the protection against earth arc faults, parallel arc faults, series arc faults, overvoltage, short-circuit currents, overload, earth fault currents

#### Ordering

EAN	8012542735519
Minimum Order Quantity	1 piece
Customs Tariff Number	85363010

#### Dimensions

Product Net Width	0.0525 m
Product Net Height	0.085 m
Product Net Depth / Length	0.069 m
Product Net Weight	0.240 kg

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**Container Information**


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Package Level 1 Units	1 piece
Package Level 1 Width	0.056 m
Package Level 1 Height	0.095 m
Package Level 1 Depth / Length	0.079 m
Package Level 1 Gross Weight	0.270 kg
Package Level 1 EAN	8012542735519

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**Environmental**


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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

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**Technical UL/CSA**


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Short-Circuit Current Rating (SCCR)	0.03 A
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**Additional Information**


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Accessory Type	Auxiliary contact Signal contact / auxiliary contact Shunt trip Undervoltage release Overvoltage release Auxiliary contact for bottom fitting
Actuator Type	Toggle - Insulation group II, Orange RAL 2004, sealable in ON-OFF-positions
Auxiliary Voltage AC/DC	230 V
Connecting Capacity	Busbar 10 mm <sup>2</sup> Rigid 1 ... 25 mm <sup>2</sup> Flexible 1 ... 25 mm <sup>2</sup>
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
Operating Characteristic	Instantaneous

Options Provided	-
Overvoltage Category	III
Pollution Degree	2
Position of Neutral Terminals	Right
Power Loss	3.1 W
Power Supply Connection	Arbitrary
Product Main Type	DS-ARC1
Product Name	Arc fault detection device integrated with RCBO
Rated Current ( $I_n$ )	16 A
Rated Frequency (f)	50...60 Hz
Rated Residual Current	30 mA
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 ( $I_{cn}$ )	6000 A
Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ )	7.5 kA
Release Type	B
RoHS Date	20180903
Standards	IEC 62606 EN 62606 IEC 61009-1 EN 61009-1 IEC 61009-2-1 EN 61009-2-1
Terminal Type	Screw Terminals
Tightening Torque	2.8 N·m
Tripping Characteristic	B
Type of Residual Current	Type A
Wire Stripping Length	12 mm

### Certificates and Declarations (Document Number)

Data Sheet, Technical Information	9AKK107046A7200
Declaration of Conformity - CE	9AKK107046A6529
Instructions and Manuals	9AKK107046A6173 9AKK106930A8986
RoHS Information	9AKK107046A6530

### Classifications

ETIM 6

EC002695 - Earth leakage circuit breaker with auxiliary device

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ETIM 7	EC002695 - Earth leakage circuit breaker with auxiliary device
Object Classification Code	Q
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

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## Categories

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

