

PRODUCT-DETAILS

# S-ARC1 B10

## S-ARC1 B10 Arc fault detection device integrated with MCB



### Informations générales

Extension du type de produit	S-ARC1 B10
Code de produit	2CSA255901R9105
EAN	8012542178132
Description courte	S-ARC1 B10 Arc fault detection device integrated with MCB
Description longue	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.

### Technique

Normes et standards	IEC/EN 62606 IEC/EN 60898-1
Tripping Characteristic	B
Tension nominale ( $U_n$ )	230 V
Tension	230...240 V AC
Tension assignée d'isolement ( $U_i$ )	500 V
Tension assignée de tenue aux chocs ( $U_{imp}$ )	4 kV
Dielectric Test Voltage	2.5 kV

Primary Rated Impulse Withstand Voltage	4 kV
Auxiliary Voltage AC/DC	230 V
Type de tension	AC
Courant nominal ( $I_n$ )	10 A
Rated Short-Circuit Capacity	6 kA
Pouvoir assigné de coupure ultime en court-circuit ( $I_{cu}$ )	7.5 kA
Rated Residual Breaking Capacity ( $I_{\Delta m}$ )	6000 A
Rated Conditional Short-Circuit Current ( $I_{nc}$ )	10 kA
Pouvoir assigné de coupure de service en court-circuit ( $I_{cs}$ )	6 kA
Fréquence (f)	50 Hz
Fréquence assignée (f)	50..60 Hz
Power Loss	2.0 W
Power Supply Connection	Arbitrary
Contact Position Indication	Red ON / Green OFF
Classe de limitation d'énergie	3
Electrical Endurance	10000 cycle
Mechanical Endurance	20000 cycle
Nombre de pôles	2
Number of Protected Poles	1
Number of Modular Spacings per DIN Rail	2
Operating Characteristic	Instantaneous
Catégorie de Surtension	III
Position of Neutral Terminals	Right
Couple de serrage	2.8 N·m
Type d'accessoire	Auxiliary contact  Auxiliary/Signal contact  Shunt trip  Undervoltage release  Overvoltage release
Actuator Type	Toggle - Insulation group II, Orange RAL 2004, sealable in ON-OFF-positions
Type d'enveloppe	Insulation group I, RAL 7036
Type de montage	DIN-Rail
Type de libération	B
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Options Provided	-
Comprend	Fire protection switch
Type d'encastrement	Any
Accessories Available	Oui
Mounting Position of Accessories	Right
Cable Size	25 mm <sup>2</sup>

Connecting Capacity	Busbar 10 mm <sup>2</sup> Rigid 1...25 mm <sup>2</sup> Flexible 1...16 mm <sup>2</sup>
Wire Stripping Length	12 mm
Type de borne	Screw Terminals

## Environnement

Température de l'air ambiant	Operation -25 ... 55 °C Storage -40 ... 70 °C
Reference Ambient Air Temperature	30 °C
Indice de protection	Terminals IP20 Housing IP40
Degré de pollution	2
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
Resistance to Vibrations acc. to IEC 60068-2-6	0.2mm or 5g - 20 cycles at 5...150 Hz
Résistance aux chocs selon CEI 60068-2-27	30g / 2 shocks / 13 ms
Statut RoHS	Following EU Directive 2011/65/EU
Informations RoHS	9AKK107045A1564
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

## Dimensions

Width in Number of Modular Spacings	2
Produit Largeur Net	0.035 m
Produit Hauteur Net	0.085 m
Produit Longueur Net	0.069 m
Poids net	0.180 kg
Profondeur d'encastrement (t <sub>2</sub> )	69 mm

## Commande

Quantité minimum	1 pièce
Emballage Niveau 1 Unités	box 1 pièce
Emballage Niveau 1 Poids	0.200 kg
E-Number (Finland)	3211000
E-Number (Sweden)	2100129

## Certificats et Déclarations (Numéro de document)

Déclaration de Conformité - CE	9AKK107045A1563
IMQ Certificate	9AKK107045A1660
KC Certificate	9AKK108466A5923
VDE Certificate	9AKK107045A6736

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## Installation

Instructions et manuels	9AKK106930A8985 9AKK106930A8986
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## Popular Downloads

Fiche produit, informations techniques	2CDC420032D0201
Mechanical Drawings	9AKK106930A8988 9AKK106930A8989

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## Classifications

ETIM 8	EC002694 - Miniature circuit breaker (MCB) with auxiliary device
ETIM 9	EC002694 - Miniature circuit breaker (MCB) with auxiliary device
Catégorie DEEE	5. Small Equipment (No External Dimension More Than 50 cm)
DEEE B2C / B2B	Business To Consumer
CN8	85363010
eClass	V11.0 : 27141906
Code de classification d'objet	F

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## 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

## Catégories

Produits basse tension → Appareillage modulaire et parafoudres → Protection contre Arcs Electriques → Arc Fault Detection Devices with Integrated Overcurrent Protection - AFDD+MCB

