

PRODUCT-DETAILS

S-ARC1 C40

S-ARC1 C40 Arc fault detection device integrated with MCB



Informations générales

| | |
|------------------------------|---|
| Extension du type de produit | S-ARC1 C40 |
| Code de produit | 2CSA255901R9404 |
| EAN | 8012542373919 |
| Description courte | S-ARC1 C40 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

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|---|--------------------------------|
| Normes et standards | IEC/EN 62606 IEC/EN 60898-1 |
| Tripping Characteristic | C |
| 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 |

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| Primary Rated Impulse Withstand Voltage | 4 kV |
| Auxiliary Voltage AC/DC | 230 V |
| Type de tension | AC |
| Courant nominal (I_n) | 40 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}) | 7.5 kA |
| Pouvoir assigné de coupure de service en court-circuit (I_{cs}) | 6 kA |
| Fréquence assignée (f) | 50...60 Hz |
| Power Loss | 6.2 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 7050 |
| Type de montage | DIN-Rail |
| Screw Terminal Type | Failsafe Bi-directional Cylinder-lift Terminal |
| Comprend | Fire protection switch |
| Type d'encastrement | Any |
| Accessories Available | Oui |
| Mounting Position of Accessories | Right |
| Nombre de batteries | 0 |
| Cable Size | 25 mm ² |
| Connecting Capacity | Busbar 10 mm ² Rigid 1...25 mm ² |

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|-----------------------|---------------------------------|
| | Flexible 1...16 mm ² |
| Wire Stripping Length | 12 mm |
| Type de borne | Screw Terminals |

Environnement

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|--|---|
| 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

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|---|----------|
| 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 ₂) | 69 mm |

Commande

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|---------------------------|-------------|
| Quantité minimum | 1 pièce |
| Emballage Niveau 1 Unités | box 1 pièce |
| Emballage Niveau 1 Poids | 0.200 kg |

Certificats et Déclarations (Numéro de document)

| | |
|--------------------------------|-----------------|
| Déclaration de Conformité - CE | 9AKK107045A1563 |
| IMQ Certificate | 9AKK107045A1660 |
| KC Certificate | 9AKK108466A5925 |

VDE Certificate

9AKK107045A6736

Installation

Instructions et manuels

9AKK106930A8985

9AKK106930A8986

Popular Downloads

Fiche produit, informations
techniques

2CDC420032D0201

Mechanical Drawings

9AKK106930A8988

9AKK106930A8989

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

85363030

eClass

V11.0 : 27141906

Code de classification
d'objet

F

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

