

PRODUCT-DETAILS

# DS301C C20 A30

## DS301C C20 A30 Residual Current Circuit Breaker with Overcurrent Protection



### Informations générales

Extension du type de produit	DS301C C20 A30
Code de produit	2CSR255163R1204
EAN	8012542361657
Description courte	DS301C C20 A30 Residual Current Circuit Breaker with Overcurrent Protection
Description longue	The DS301C series is a 1P+N RCBO in one module width for the protection of end user single-phase circuits against overload and short-circuit currents, protection against the effects of sinusoidal alternating and direct pulsating earth fault currents, protection against indirect contacts and additional protection against direct contacts (with sensitivity = 30 mA)

### Technique

Normes et standards	IEC/EN 61009-1 IEC/EN 61009-2-1
Tripping Characteristic	C
Type of Residual Current	A type
Tension	acc. to IEC 60898-1 240 V
Tension assignée d'isolement (U <sub>i</sub> )	acc. to IEC/EN 60664-1 500 V
Test Voltage (U <sub>t</sub> )	170 ... 264 V
Tension assignée de tenue aux chocs (U <sub>imp</sub> )	4 kV
Dielectric Test Voltage	2.5 kV
Primary Rated Impulse	4 kV

## Withstand Voltage

Type de tension	AC
Courant nominal ( $I_n$ )	20 A
Rated Residual Current	30 mA
Rated Short-Circuit Capacity	6 kA
Pouvoir assigné de coupure ultime en court-circuit ( $I_{cu}$ )	6 kA
Rated Residual Breaking Capacity ( $I_{\Delta m}$ )	EN 61009-1 4500 A IEC 61009-1 3000 A
Pouvoir assigné de coupure de service en court-circuit ( $I_{cs}$ )	6 kA
Leakage Current Type	A
Fréquence assignée (f)	50 ... 60 Hz
Power Loss	Average per Pole 1.7 W Phase Pole 2.6 W Neutral Pole 0.8 W Total 3.4 W
Power Supply Connection	Arbitrary
Contact Position Indication	Red ON / Green OFF
Classe de limitation d'énergie	3
Electrical Endurance	7000 cycle
Mechanical Endurance	7000 cycle
Number of Protected Poles	1
Nombre de pôles	1
Number of Modular Spacings per DIN Rail	1
Fault Indication	Blue flag below toggle
Operating Characteristic	Instantaneous
Catégorie de Surtension	III
Position of Neutral Terminals	Right
Couple de serrage	1.2 N·m
Type d'accessoire	Busbar Psc series, Padlock
Actuator Type	Toggle - Insulation group II, Black RAL 9005, sealable in ON-OFF positions
Type d'enveloppe	Insulation group I - II, RAL 7035
Type de montage	DIN-Rail
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Type d'encastrement	Any
Accessories Available	Non
Cable Size	16 mm <sup>2</sup>
Connecting Capacity	Busbar 10 ... 10 mm <sup>2</sup> Rigid 1.5 ... 16 mm <sup>2</sup> Flexible 1.5 ... 16 mm <sup>2</sup>
Section nominale	1 - Solid-Core 1.5 ... 16 mm <sup>2</sup> 4 - Multi-Wired 1.5 ... 10 mm <sup>2</sup>
Wire Stripping Length	10 mm
Type de borne	Screw Terminals

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**Environnement**

Température extérieure	-25 ... 55 °C
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Température de l'air ambiant	Operation -25 ... 55 °C
Reference Ambient Air Temperature	30 °C
Indice de protection	IP20 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	0.1 mm or 1 g - 20 cycles at 5...150..5 Hz
Résistance aux chocs selon CEI 60068-2-27	25g 2 shocks 13 ms
Statut RoHS	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Informations RoHS	9AKK108466A7779
REACH Declaration	9AKK108467A9482
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

## Dimensions

Width in Number of Modular Spacings	1
Produit Largeur Net	0.0176 m
Produit Hauteur Net	0.092 m
Produit Longueur Net	0.068 m
Poids net	0.110 kg
Profondeur d'encastrement (t <sub>2</sub> )	17.6 mm

## Commande

Emballage Niveau 1 Unités	box 1 pièce
Emballage Niveau 1 Poids	0.127 kg
E-Number (Finland)	3214087

## Certificats et Déclarations (Numéro de document)

CB Certificate	9AKK107991A9485
CCC Certificate	9AKK108467A0379
CEBEC Certificate	9AKK108466A9450
Déclaration de Conformité - CE	9AKK108466A7779
Certificat KEMA	9AKK108467A0378
SEV Certificate	9AKK108467A0377
VDE Certificate	9AKK108466A9224

## Installation

Instructions et manuels	9AKK107991A9407
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## Downloads Préférés

Fiche produit, informations techniques	9AKK108466A9620
Mechanical Drawings	9AKK107991A9486 9AKK107991A9487
EPLAN Data	9AKK107991A9410

## Classifications

ETIM 8	EC000905 - Earth leakage circuit breaker
ETIM 9	EC000905 - Earth leakage circuit breaker
Catégorie DEEE	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer
CN8	85363030
eClass	V11.0 : 27142207
Code de classification d'objet	F

## Accessories

Identifiant	Description	Type	Quantity	Unit Of Measure
GJF1101903R0004	SA1E Terminals and Installation Material	SA1E	1	piece
GJF1101903R0002	SA2 Terminals and Installation Material	SA2	1	piece
GJF1109999R0001	SA2I Terminals and Installation Material	SA2I	1	piece
GJF1101903R0003	SA3 Terminals and Installation Material	SA3	1	piece
2CDL210331R1012	PSc 1/24/10 N Busbar	PSc 1/24/10 N	1	piece
2CDL210331R1060	PSc 1/120/10 N Busbar	PSc 1/120/10 N	1	piece
2CDL230331R1012	PSc 3/24/10 N Busbar	PSc 3/24/10 N	1	piece
2CDL230331R1060	PSc 3/120/10 N Busbar	PSc 3/120/10 N	1	piece
2CDL200331R0003	PSc-END End Cap	PSc-END	1	piece
2CDL200331R0013	BSKc Accessories for PSc Busbars	BSKc	1	piece
2CDL200001R2506	AST25/27QS Feeder Terminal	AST25/27QS	1	piece

## Catégories

Produits basse tension → Appareillage modulaire et parafoudres → Protection différentielle → Disjoncteurs différentiels



