

PRODUCT-DETAILS

# S301P-Z20NA

## S301P-Z20NA Miniature Circuit Breaker - 1+NP - Z - 20 A



### Informations générales

Extension du type de produit	S301P-Z20NA
Code de produit	2CDS381103R0488
EAN	4016779135672
Description courte	S301P-Z20NA Miniature Circuit Breaker - 1+NP - Z - 20 A
Description longue	The MCBs S300P series assures protection in industrial installations against overload and short circuits. This product is manufactured according to international IEC and UL standards, for the markets where it is required.

### ABB EcoSolutions

ABB EcoSolutions	Oui
------------------	-----

### Valeur Circulaire

Principes du Design Circulaire - Taux de Recyclabilité	Conçu pour utiliser des ressources recyclables et réutilisables - Norme EN45555 - 63.8 %
Matériau Durable Constitutif	0 %
Déchets destinés à	Aucun déchet non-dangereux mis en décharge -

l'enfouissement en  
décharge - Destination

Amélioration de l'efficacité  
des ressources pour les  
clients

Efficacité du produit - Le produit nécessite moins d'énergie pour fonctionner par  
rapport à un produit similaire sur le marché. -

Proposé avec une durée  
de vie prolongée

Durabilité du produit -

Proposition de reprise

Reprendre pour recycler -

Instructions relatives à la  
fin de vie

9AKK108467A9801

## Eco Transparence

Environmental Product  
Declaration - EPD

9AKK108467A7130

## Technique

Normes et standards

CSA 22.2 No. 235  
IEC/EN 60947-2  
UL 1077

Tripping Characteristic

Z

Tension

acc. to IEC 60898-1 240 V AC  
acc. to IEC 60898-1 240 V  
acc. to IEC 60947-2 240 V AC

Operational Voltage

Maximum (Incl. Tolerance) 254 V AC  
Maximum 254 V AC  
Minimum 12 V AC  
Minimum 12 V DC

Tension assignée d'  
isolement ( $U_i$ )

acc. to IEC/EN 60664-1 500 V

Tension assignée de  
tenue aux chocs ( $U_{imp}$ )

6 kV

Dielectric Test Voltage

50/60 Hz, 1 min: 2 kV

Type de tension

AC/DC

Courant nominal ( $I_n$ )

20 A

Pouvoir assigné de  
coupure ultime en court-  
circuit ( $I_{cu}$ )

(240 V AC) 25 kA  
(72 V DC) 25 kA  
(230 V) 25 kA

Pouvoir assigné de  
coupure de service en  
court-circuit ( $I_{cs}$ )

(240 V AC) 12.5 kA

Fréquence assignée (f)

50 Hz  
60 Hz  
50 ... 60 Hz

Power Loss

5 W  
at Rated Operating Conditions per Pole 2.5 W

Power Supply Connection

Arbitrary

Contact Position  
Indication

Red ON / Green OFF

Electrical Endurance

20000 AC cycle

Mechanical Endurance

20000 cycle

Number of Protected

1

## Poles

Nombre de pôles	1+N
Catégorie de Surtension	IV
Position of Neutral Terminals	Right
Couple de serrage	2.8 N·m
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Actuator Marking	I / O
Actuator Material	Insulation Group II, Black, Sealable
Qualité du matériau	Insulation Group I, RAL 7035
Montage sur rail DIN	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Type d'encastrement	any
Recommended Screw Driver	Pozidriv 2
Accessories Available	Oui
Connecting Capacity	Busbar 10 / 10 mm <sup>2</sup> Flexible with Ferrule 0.75 ... 25 mm <sup>2</sup> Flexible 0.75 ... 25 mm <sup>2</sup> Flexible 0.75 ... 25 mm <sup>2</sup> Rigid 0.75 ... 35 mm <sup>2</sup> Stranded 0.75 ... 35 mm <sup>2</sup>
Installation Size	acc. to DIN 43880 1
Wire Stripping Length	14 mm
Type de borne	Screw Terminals

---

**Environnement**


---

Température de l'air ambiant	Operation -40 ... +70 °C Storage -55 ... +70 °C
Indice de protection	IP20 IP40 Enclosure with Cover IP40
Degré de pollution	3
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
Resistance to Vibrations acc. to IEC 60068-2-6	5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In
Résistance aux chocs selon CEI 60068-2-27	25g 3 shocks 18 ms
Statut RoHS	Following EU Directive 2011/65/EU
Informations RoHS	9AKK107991A3220
REACH Declaration	9AKK107492A1906
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

---

**Technique UL/CSA**


---

Maximum Operating Voltage UL/CSA	480Y / 277 V AC 480Y/277 V AC
----------------------------------	----------------------------------

Interrupting Rating acc. to UL1077	(277 V AC) 10 kA (60 V DC) 10 kA
Connecting Capacity UL/CSA	Busbar 18-8 AWG Conductor 18-4 AWG
Tightening Torque UL/CSA	18 in-lb

## Dimensions

Width in Number of Modular Spacings	2
Produit Largeur Net	35 mm
Produit Hauteur Net	88 mm
Produit Longueur Net	69 mm
Poids net	0.248 kg
Pole Net Weight	0.124 kg
Profondeur d'encastrement (t <sub>2</sub> )	69 mm

## Commande

Emballage Niveau 1 Unités	box 5 pièce
Emballage Niveau 1 Poids	1.29 kg
E-Number (Finland)	3217543

## Certificats et Déclarations (Numéro de document)

CB Certificate	2CDZ405000A1089 2CDZ405000A1093
CCA Certificate	2CDZ405000A1090 2CDZ405000A1094
CCC Certificate	2CDZ405000A1097 2CDZ405000A1098
Agence de certification	CSA IEC EN UL
CQC Certificate	2CDZ405000A1097 2CDZ405000A1098
Certificat CSA	2CDZ405000A1102
Déclaration de Conformité - CE	9AKK107991A3220
Declaration of Conformity - UKCA	9AKK107992A8877
DNV GL Certificate	2CDZ405000A1155
EAC Certificate	2CDZ405000A1092 2CDZ405000A1096
Certificat NF	2CDZ405000A1144
Certificat RINA	2CDZ405000A1194
Certificat UL	2CDZ405000A1101

VDE Certificate

2CDZ405000A1191  
2CDZ405000A1195

---

## Installation

Instructions et manuels

2CDS207104P0002

---

## Downloads Préférés

Fiche produit, informations  
techniques

9AKK107992A4964

---

## Classifications

ETIM 8	EC000042 - Miniature circuit breaker (MCB)
ETIM 9	EC000042 - Miniature circuit breaker (MCB)
Catégorie DEEE	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business
CN8	8536 20 10
UNSPSC	39121603
eClass	V11.0 : 27141901
Code de catégorie granulaire IDEA (IGCC)	4897 >> Miniature circuit breakers
Code de classification d'objet	F

---

## Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
2CDS200922R0001	S2C-S/H6R Signal / Auxiliary Contact	S2C-S/H6R	1	piece
2CDS200912R0001	S2C-H6R Auxiliary Contact	S2C-H6R	1	piece
2CDS200970R0001	S2C-H01 Auxiliary Contact	S2C-H01	1	piece
2CDS200970R0002	S2C-H10 Auxiliary Contact	S2C-H10	1	piece
2CDS200936R0001	S2C-H11L Auxiliary Contact	S2C-H11L	1	piece
2CDS200936R0002	S2C-H20L Auxiliary Contact	S2C-H20L	1	piece
2CDS200936R0003	S2C-H02L Auxiliary Contact	S2C-H02L	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
2CDS200909R0001	S2C-A1 Shunt Trip	S2C-A1	1	piece
2CDS200909R0002	S2C-A2 Shunt Trip	S2C-A2	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
2CSS201997R0013	S2C-CM1 Motor operating device	S2C-CM1	1	piece
2CSS203997R0013	S2C-CM2/3 Motor operating device	S2C-CM2/3	1	piece
2CSS204997R0013	S2C-CM4 Motor operating device	S2C-CM4	1	piece
GHS2001901R0003	S2C-DH Mechanical Accessories	S2C-DH	1	piece
2CSS200998R0001	S2C-BP Mechanical tripping device	S2C-BP	1	piece
2CSS200999R0001	S2C-EST Plug-in base	S2C-EST	1	piece
2CDS200918R0001	S2C-NT Hand Operated Neutral	S2C-NT	1	piece
2CCA880100R0001	CMS-100PS Sensor	CMS-100PS	1	piece
2CCA880101R0001	CMS-101PS Sensor	CMS-101PS	1	piece
2CCA880102R0001	CMS-102PS Sensor	CMS-102PS	1	piece

## Catégories

Produits basse tension → Appareillage modulaire et parafoudres → Miniature Circuit Breakers MCBs → Disjoncteurs ≤63A SN201/S200

