

PRODUCT-DETAILS

# VY33NC20

## VY33NC20 Miniature Circuit Breaker



### Informations générales

Extension du type de produit	VY33NC20
Code de produit	2CDS233189R0204
EAN	4053546098655
Description courte	VY33NC20 Miniature Circuit Breaker
Description longue	VY30 ABB VY miniature circuit breakers are current limiting, allowing protection of the circuit against overcurrents (overloads and short circuit). They are available in C characteristics, different configurations (2P,3P,3P+N) and 3kA breaking capacity at 230/400V AC and rated current up to 63A complying IEC/EN 60898-1 Standard. Accessoriable range displaying the fork slot access on top/bottom sides.

### Technique

Normes et standards	IEC/EN 60898-1
Tripping Characteristic	C
Tension	acc. to IEC 60898-1 400 V
Operational Voltage	Maximum (Incl. Tolerance) 440 V AC Minimum 12 V AC / 12 V DC
Tension assignée d'isolement ( $U_i$ )	acc. to IEC/EN 60664-1 440 V Phase to Phase 440 V
Tension assignée de tenue aux chocs ( $U_{imp}$ )	4 kV at 2000 m 5 kV

	at Sea Level 6.2 kV
Dielectric Test Voltage	50/60 Hz, 1 min: 2 kV
Type de tension	AC
Courant nominal ( $I_n$ )	20 A
Rated Short-Circuit Capacity	(400 V AC) 3 kA (400 V) 3 kA
Fréquence assignée (f)	50 / 60 Hz
Power Loss	10 W at Rated Operating Conditions per Pole 2.5 W
Contact Position Indication	Red ON / Green OFF
Classe de limitation d'énergie	3
Electrical Endurance	20000 AC cycle
Mechanical Endurance	20000 cycle
Number of Protected Poles	3
Nombre de pôles	3+N
Number of Modular Spacings per DIN Rail	4
Catégorie de Surtension	III
Position of Neutral Terminals	Right
Couple de serrage	2 N·m
Actuator Type	Toggle
Type de montage	DIN-Rail
Screw Terminal Type	Failsafe Biconnect Fork Top/Bottom
Actuator Marking	Red ON / Green OFF
Qualité du matériau	Insulation Group II, RAL 7035
Type d'encastrement	any
Recommended Screw Driver	Pozidriv 2
Accessories Available	Oui
Connecting Capacity	Busbar 10 ... 16 mm <sup>2</sup> Busbar Fork 10 / 16mm <sup>2</sup> mm <sup>2</sup> Flexible with Ferrule 0.75 ... 25 mm <sup>2</sup> Flexible 0.75 ... 35 mm <sup>2</sup> Rigid 0.75 ... 35 mm <sup>2</sup> Solid 0.75 ... 35 mm <sup>2</sup>
Wire Stripping Length	12.5 mm
Type de bornes	Screw Terminals

## Environnement

Température de l'air ambiant	Operation -25 ... +55 °C Storage -40 ... +70 °C
Indice de protection	IP20 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 2 shocks 13 ms
Statut RoHS	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

---

## Dimensions

Width in Number of Modular Spacings	4
Produit Largeur Net	70 mm
Produit Hauteur Net	88 mm
Produit Longueur Net	69 mm
Poids net	0.5 kg
Pole Net Weight	0.125 kg
Profondeur d'encastrement (t <sub>2</sub> )	69 mm

---

## Commande

Emballage Niveau 1 Unités	carton 1 pièce
Emballage Niveau 1 Poids	0.51 kg

---

## Certificats et Déclarations (Numéro de document)

Déclaration de Conformité - CE	9AKK108468A4415
-----------------------------------	-----------------

---

## 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)
DEEE 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

---

## Accessories

Identifiant	Description	Type	Quantity	Unit Of Measure
2CDS200922R0001	S2C-S/H6R Signal / Auxiliary Contact	S2C-S/H6R	2	piece
2CDS200912R0001	S2C-H6R Auxiliary Contact	S2C-H6R	2	piece
2CDS200909R0001	S2C-A1 Shunt Trip	S2C-A1	1	piece
2CDS200909R0002	S2C-A2 Shunt Trip	S2C-A2	1	piece
2CSS200911R0005	S2C-UA 230 AC Undervoltage Release	S2C-UA 230 AC	1	piece
2CSS200911R0010	S2C-UA 230 DC Undervoltage Release	S2C-UA 230 DC	1	piece
2CSS200911R0003	S2C-UA 48 AC Undervoltage Release	S2C-UA 48 AC	1	piece
2CSS200911R0008	S2C-UA 48 DC Undervoltage Release	S2C-UA 48 DC	1	piece
2CSS200911R0002	S2C-UA 24 AC Undervoltage Release	S2C-UA 24 AC	1	piece
2CSS200911R0007	S2C-UA 24 DC Undervoltage Release	S2C-UA 24 DC	1	piece
2CSS200911R0001	S2C-UA 12 DC Undervoltage Release	S2C-UA 12 DC	1	piece

## Catégories

Produits basse tension → Appareillage modulaire et parafoudres → ABB VY → MCB ABB VY DS → VY30 ABB VY

