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 PRODUCT-DETAILS

# BMS313C50

## BMS313C50 Miniature Circuit Breaker




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### General Information

Extended Product Type	BMS313C50
Product ID	2CDS633031R0504
EAN	4016779045124
Catalog Description	BMS313C50 Miniature Circuit Breaker
Long Description	<p>The basic M MCB series protects installations against overloads and short-circuits, guaranteeing reliability and safety of operations.</p> <p>ABB basic M series satisfies most common requirements in terms of MCBs, allowing the usage of different pole configurations, characteristics and rated currents for residential and commercial applications. This product is manufactured according to international IEC standards.</p>

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### Technical

Standards	IEC 60898-1
Tripping Characteristic	C
Rated Operational Voltage	acc. to IEC 60898-1 400 V acc. to IEC 60947-2 440 V
Rated Insulation Voltage (U <sub>i</sub> )	acc. to IEC/EN 60664-1 440 V

Rated Impulse Withstand Voltage (U <sub>imp</sub> )	4 kV
Input Voltage Type	AC
Rated Current (I <sub>n</sub> )	50 A
Rated Short-Circuit Capacity	(AC) 3 kA (400 V AC) 3 kA (400 V) 3 kA
Rated Frequency (f)	50 / 60 Hz
Energy Limiting Class	3
Electrical Endurance	4000 AC cycle
Mechanical Endurance	10000 cycle
Number of Protected Poles	3
Number of Poles	3
Overvoltage Category	III
Tightening Torque	2 N·m
Actuator Type	Toggle
Actuator Marking	I / O
Recommended Screw Driver	Pozidriv 2
Accessories Available	Yes
Connecting Capacity	Flexible 1 ... 25 mm <sup>2</sup> Rigid 1 ... 35 mm <sup>2</sup>
Wire Stripping Length	12.5 mm

## Material Compliance

RoHS Information	2CDK400667D0201
RoHS Status	Following EU Directive 2011/65/EU
RoHS Date	20170816
REACH Declaration	9AKK108468A9644
REACH Information	False - does not contains substances > 0.1 mass percentage
REACH Date	20231212
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

## Environmental

Ambient Air Temperature	Operation -5 ... +55 °C Storage -40 ... +70 °C
Degree of Protection	IP20 Enclosure with Cover IP40
Pollution Degree	2

## Dimensions

Width in Number of Modular Spacings	3.0
Product Net Width	52.5 mm
Product Net Height	88 mm
Product Net Depth / Length	69 mm
Product Net Weight	279 g

Built-In Depth (t <sub>2</sub> )	69 mm
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### Ordering

Package Level 1 Units	4 piece
Package Level 1 Gross Weight	1.293 kg

### Certificates and Declarations

Declaration of Conformity - CE	2CDK400666D2701
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### Installation

Instructions and Manuals	No document needed
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### Popular Downloads

Data Sheet, Technical Information	9AKK107045A1496
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### Classifications

ETIM 8	EC000042 - Miniature circuit breaker (MCB)
ETIM 9	EC000042 - Miniature circuit breaker (MCB)
WEEE Category	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
IDEA Granular Category Code (IGCC)	4897 >> Miniature circuit breakers

### Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Basic M System → Miniature Circuit Breakers MCBs

