



PRODUCT-DETAILS

DSE203N M D20 A30

eRCBO 3P+N



General Information

Extended Product Type	DSE203N M D20 A30
Product ID	2TAZ233414R2201
EAN	6941593442201
Catalog Description	eRCBO 3P+N
Long Description	DSE203N M is a 3P+N electronic residual current circuit breaker with overcurrent protection (eRCBO) in three modules for the protection against short-circuit currents, overload, earth fault currents, indirect contacts, additional protection against direct contacts (30 mA versions). The neutral is unswitched.

ABB EcoSolutions

ABB EcoSolutions	Yes
Circular Design	Design for Closing Resource Loops - Standard EN45555 - 79.91 %
Principles Recyclability Rate	
Sustainable Material Content in Packaging	Recycled Paper - 47.5 % Recycled Paper - 3.4 % Recycled Paper - 0.9 % Recycled Cardboard - 44.8 % Recycled Paper - 3.4 %

Improved Resource Efficiency for Customers	Process Efficiency - Product improves/optimizes process Process Efficiency - Product contribute to making customer's operations more resilient and reliable
Offered with Extended Lifetime	Product Durability
End of Life Instructions	9AKK108469A7805
Environmental Product Declaration - EPD	9AKK108469A7915

Technical

Standards	IEC 61009-1 IEC 61009-2-2 AS/NZS 61009-1
Tripping Characteristic	D
Type of Residual Current	Type A
Rated Operational Voltage	400/415 V AC
Rated Insulation Voltage (U _i)	acc. to IEC/EN 60664-1 500 V
Rated Impulse Withstand Voltage (U _{imp})	4 kV
Input Voltage Type	AC
Rated Current (I _n)	20 A
Rated Residual Current	30 mA
Rated Short-Circuit Capacity	10 kA
Rated Frequency (f)	50 ... 60 Hz
Power Loss	11 W
Power Supply Connection	Bottom
Electrical Endurance	10000 cycle
Mechanical Endurance	20000 cycle
Number of Protected Poles	3
Number of Poles	3+N
Operating Characteristic	Instantaneous
Overvoltage Category	III
Position of Neutral Terminals	Left
Earthing Switch Type	Undelayed
Number of Batteries	0
Connecting Capacity	Busbar 10 mm ² Rigid 1 ...25 mm ² Flexible 1 ...16 mm ²
Rated Cross-Section	1 - Solid-Core 1...25 mm ² 4 - Multi-Wired 1...16 mm ²

Material Compliance

RoHS Information	9AKK108466A3001
RoHS Status	Following EU Directive 2011/65/EU
RoHS Date	20211412
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Environmental

Ambient Air Temperature	Operation -5 ... 55 °C Storage -25 ... 70 °C
Degree of Protection	IP20
Pollution Degree	2

Technical UL/CSA

Short-Circuit Current Rating (SCCR)	0.03 A
-------------------------------------	--------

Dimensions

Width in Number of Modular Spacings	3
Product Net Width	53.4 mm
Product Net Height	117.5 mm
Product Net Depth / Length	71.6 mm
Product Net Weight	0.549 kg
Built-In Depth (t ₂)	71.6 mm
Dimension Diagram	9AKK108469A8937

Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.581 kg

Certificates and Declarations

Declaration of Conformity - CE	9AKK108466A3001
Declaration of Conformity - UKCA	9AKK108468A8883

Installation

Instructions and Manuals	9AKK108469A8936
--------------------------	-----------------

Popular Downloads

Data Sheet, Technical Information	9AKK108466A1148
Mechanical Drawings	9AKK108466A1245 9AKK108466A1246

Classifications

ETIM 8	EC000905 - Earth leakage circuit breaker
--------	--

ETIM 9

EC000905 - Earth leakage circuit breaker

WEEE Category

5. Small Equipment (No External Dimension More Than 50 cm)

WEEE B2C / B2B

Business To Consumer

CN8

85363030

Object Classification

F

Code

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Residual Current Devices RCDs → Residual Current Circuit Breakers with Overcurrent Protection RCBO

