



PRODUCT-DETAILS

DSE203 M B10 A30

eRCBO 3P



General Information

Extended Product Type	DSE203 M B10 A30
Product ID	2TAZ261304R2104
EAN	6941593492978
Catalog Description	eRCBO 3P
Long Description	DSE203 M is a 3P 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).

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	B
Type of Residual Current	Type A
Rated Operational Voltage	400/415 V AC
Rated Insulation Voltage (U _i)	500 V
Test Voltage (U _t)	204 ... 457 V
Rated Impulse Withstand Voltage (U _{imp})	4 kV
Dielectric Test Voltage	2 kV
Input Voltage Type	AC
Rated Current (I _n)	10 A
Rated Residual Current	30 mA
Rated Short-Circuit Capacity	10 kA
Rated Residual Breaking Capacity (I _{Δm})	6 kA
Rated Frequency (f)	50/60 Hz
Power Loss	4.98 W
Power Supply Connection	Bottom
Contact Position Indication	Red ON / Green OFF
Electrical Endurance	10000 cycle
Mechanical Endurance	20000 cycle
Number of Protected Poles	3
Number of Poles	3
Number of Modular Spacings per DIN Rail	3
Operating Characteristic	Instantaneous
Overvoltage Category	III
Tightening Torque	2.5 N·m
Actuator Type	Toggle - Insulation group II
Housing Type	Insulation group I
Mounting Type	DIN rail
Screw Terminal Type	Cage Terminal
Mounting Position	Vertical & Horizontal
Accessories Available	No
Number of Batteries	0
Connecting Capacity	Busbar 10 mm ² Rigid 1 ...25 mm ² Flexible 1 ...16 mm ²

Wire Stripping Length	Top 11.5 mm Bottom 15 mm
Terminal Type	Screw Terminals

Material Compliance

RoHS Information	9AKK108469A8758
RoHS Status	Following EU Directive 2011/65/EU
RoHS Date	20240723
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Environmental

Ambient Air Temperature	Operation -5 ... 55 °C Storage -25 ... 70 °C
Reference Ambient Air Temperature	30 °C
Degree of Protection	Terminals IP20 Housing IP40
Pollution Degree	2
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %

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	0.488 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	0.520 kg

Certificates and Declarations

Declaration of Conformity - CE	9AKK108469A8758
--------------------------------	-----------------

Installation

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

Popular Downloads

Data Sheet, Technical Information	9AKK108466A1148
Mechanical Drawings	9AKK108469A8937 9AKK108469A8939

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	85363010
Object Classification Code	F

Categories

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

