



PRODUCT-DETAILS

DSE203 M D32 A300

eRCBO 3P



General Information

Extended Product Type	DSE203 M D32 A300
Product ID	2TAZ261304R4321
EAN	6941593493463
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 Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 79.91 %
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)	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)	32 A
Rated Residual Current	300 mA
Rated Short-Circuit Capacity	10 kA
Rated Residual Breaking Capacity (IΔm)	6 kA
Rated Frequency (f)	50/60 Hz
Power Loss	8.81 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
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Installation

Instructions and Manuals	9AKK108469A8936
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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	85363030
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

