



PRODUCT-DETAILS

DSE201 M C20 AC100 - N Black

Residual Current Circuit Breaker with
Overcurrent Protection DSE201 M - 1P - 100
mA - 20 A - C - Type AC



General Information

Extended Product Type:	DSE201 M C20 AC100 - N Black
Product ID:	2CSR275053R2204
EAN:	8012542262930
Catalog Description:	Residual Current Circuit Breaker with Overcurrent Protection DSE201 M - 1P - 100 mA - 20 A - C - Type AC
Long Description:	1P+N electronic RCBO in one-module width for the protection of end user single-phase circuits against overload and short-circuit currents; protection against the effects of sinusoidal alternating earth fault currents; protection against indirect contacts and additional protection against direct contacts (with sensitivity = 30 mA). Presence of neutral (blue or black) and functional earth (white) flying leads. The neutral is unswitched
Display Name:	DSE201 M C20 AC100 - N Black

ABB EcoSolutions

Recyclability Rate of the Product acc. to EN45555: Design for Closing Resource Loops - Standard EN45555 - 83.2 %

ABB Site Meeting Group Waste To Landfill Target: No non-hazardous waste is sent to a landfill
UL 2799 Zero Waste To Landfill Validation available

Sustainable Material Content in Packaging (wt. %): Recycled Cardboard - 96.89 %

Extended Product Lifetime: Product Durability

End Of Life Disassembling Instructions: 9AKK108470A4699

Environmental Product Declaration - EPD: 9AKK108470A7841

Technical

Type of Residual Current: Type AC

Maximum Operating Voltage: 264 V

Test Voltage (Ut): 195 ... 264 V

Dielectric Test Voltage: 2 kV

Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}): 15 kA

Rated Residual Breaking Capacity (I_{Δm}): 10 kA

Rated Service Short-Circuit Breaking Capacity (I_{cs}): 7.5 kA

Rated Service Short-Circuit Breaking Capacity, in % of I_{cu} (I_{cs}): 10 kA

Maximum Surge Current: 0.25 kA

Power Supply Connection: Bottom

Contact Position Indication: Red ON / Green OFF

Energy Limiting Class: 3

Electrical Endurance: 10000 cycle

Mechanical Endurance: 20000 cycle

Number of Protected Poles: 1

Number of Poles: 1P

Number of Modular Spacings per DIN Rail: 1

Fault Indication: Blue Window

Operating Characteristic: Instantaneous

Position of Neutral Terminals: Right

Tightening Torque: Top 1.2 N·m
Bottom 2.8 N·m

Accessory Type: Auxiliary contact
Auxiliary/Signal contact
Shunt trip
Undervoltage release
Overvoltage release
Bottom fitting auxiliary contact

Actuator Type: Toggle

Earthing Switch Type: Undelayed

Housing Type: Insulation group II, RAL 7035

Screw Terminal Type: Failsafe Bi-directional Cylinder-lift Terminal

Actuator Material:	Insulation Group II, Black, Sealable
Options Provided:	None
Accessories Available:	Yes
Connecting Capacity:	Busbar 10 mm ² Rigid 1...35 mm ² Flexible 1...16 mm ²
Rated Cross-Section:	4 - Multi-Wired 1...35 mm ² 1 - Solid-Core 35...35 mm ²
Wire Stripping Length:	Top 11 mm Bottom 12.5 mm
Terminal Type:	Screw Terminals

Electrical

Short-Circuit Current Rating (SCCR):	0.1 A
Tripping Characteristic:	C
Rated Operational Voltage:	230 / 240 V AC
Rated Insulation Voltage (U_i):	500 V
Rated Impulse Withstand Voltage (U_{imp}):	4 kV
Input Voltage Type:	AC
Rated Current (I_n):	20 A
Rated Residual Current:	100 mA
Rated Short-Circuit Capacity:	10 kA
Rated Conditional Short-Circuit Current (I_{nc}):	10 kA
Rated Frequency (f):	50 ... 60 Hz
Power Loss:	Total 3.0 W
Overvoltage Category:	III

Material Compliance

RoHS Declaration:	9AKK106930A1510
RoHS Information:	Following EU Directive 2011/65/EU
RoHS Date:	20160829
REACH Declaration:	9AKK108467A9482
REACH Information:	True - contains substances > 0.1 mass percentage
REACH Date:	20240429
Conflict Minerals Reporting Template (CMRT):	9AKK108468A3363
SCIP:	73c1cfcf-59a2-4356-b1d1-9ab2cc7d4aed Italy
WEEE Category:	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B:	Business To Consumer

Environmental

Ambient Air Temperature:	Operation -25 ... 55 °C Storage -40 ... 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 %
Resistance to Vibrations:	20 Cycles with Load 0.8 In: 5g or 0.35mm 5 ... 150 Hz
Resistance to Shock acc. to IEC 60068-2-27:	30g / 2 shocks / 13 ms

Dimensions

Width in Number of Modular Spacings:	1
Product Net Width:	18 mm
Product Net Height:	115 mm
Product Net Depth / Length:	69 mm
Product Net Weight:	200 g
Built-In Depth (t₂):	68.9 mm

Ordering

Package Level 1 Units:	box 1 piece
Package Level 1 Gross Weight:	0.220 kg

Certificates and Declarations

Declaration of Conformity - CE:	9AKK106930A0955
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Installation

Instructions and Manuals:	9AKK106930A0912
Mounting Type:	DIN-Rail
Mounting Position:	Any

Popular Downloads

Data Sheet, Technical Information:	9AKK106930A0939
Mechanical Drawings:	9AKK106930A0965 9AKK106930A0964

External Classifications and Standards

ETIM 9:	EC000905 - Earth leakage circuit breaker
ETIM 10:	EC000905 - Earth leakage circuit breaker
eClass:	V11.0 : 27142207
Object Classification Code:	F
Standards:	IEC 61009-1 IEC 61009-2-2 AS/NZS 61009.1 BS EN 61009-1

Categories

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

