



 PRODUCT-DETAILS

DSE201 M C20 AC30 - N Black

DSE201 M C20 AC30 - N Black Residual Current Circuit Breaker with Overcurrent Protection



General Information

Extended Product Type	DSE201 M C20 AC30 - N Black
Product ID	2CSR275053R1204
EAN	8012542185338
Catalog Description	DSE201 M C20 AC30 - N Black Residual Current Circuit Breaker with Overcurrent Protection
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

Technical

Standards	IEC 61009-1 IEC 61009-2-2 AS/NZS 61009.1 BS EN 61009-1
Tripping Characteristic	C
Type of Residual Current	Type AC

Rated Operational Voltage	230 / 240 V AC
Rated Insulation Voltage (U _i)	500 V
Maximum Operating Voltage	264 V
Test Voltage (U _t)	195 ... 264 V
Rated Impulse Withstand Voltage (U _{imp})	4 kV
Dielectric Test Voltage	2 kV
Input Voltage Type	AC
Rated Current (I _n)	20 A
Rated Residual Current	30 mA
Rated Short-Circuit Capacity	10 kA
Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})	15 kA
Rated Residual Breaking Capacity (I _{Δm})	10 kA
Rated Conditional Short-Circuit Current (I _{nc})	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
Rated Frequency (f)	50 ... 60 Hz
Power Loss	3.0 W
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	1
Number of Modular Spacings per DIN Rail	1
Fault Indication	Blue window
Operating Characteristic	Instantaneous
Overvoltage Category	III
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 - Insulation group II, black, sealable in ON-OFF positions
Earthing Switch Type	Undelayed
Housing Type	Insulation group II, RAL 7035

Mounting Type	DIN-Rail
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Options Provided	None
Mounting Position	Any
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

Material Compliance

RoHS Information	9AKK106930A1510
RoHS Status	Following EU Directive 2011/65/EU
RoHS Date	20160829
REACH Declaration	9AKK108467A9482
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

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

Technical UL/CSA

Short-Circuit Current Rating (SCCR)	0.03 A
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Dimensions

Width in Number of Modular Spacings	1
Product Net Width	0.018 m
Product Net Height	0.115 m
Product Net Depth / Length	0.069 m
Product Net Weight	0.200 kg
Built-In Depth (t ₂)	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
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Popular Downloads

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

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
eClass	V11.0 : 27142207
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

