

PRODUCT-DETAILS

## DSE201 M B20 AC30 - N Blue

# DSE201 M B20 AC30 - N Blue Residual Current Circuit Breaker with Overcurrent Protection



### General Information

Extended Product Type	DSE201 M B20 AC30 - N Blue
Product ID	2CSR275051R1205
EAN	8012542076131
Catalog Description	DSE201 M B20 AC30 - N Blue Residual Current Circuit Breaker with Overcurrent Protection
Long Description	DSE201 M is a 1P+N residual current circuit breaker with overcurrent protection (RCBO) in one module for the protection against short-circuit currents, overload, earth fault currents, indirect contacts, additional protection against direct contacts (30 mA versions). DSE201 M is equipped with supply neutral wire and functional earth wire.

### Technical

Standards	IEC 61009-1 IEC 61009-2-2 BS EN 61009-1 AS/NZS 61009
Tripping Characteristic	B
Type of Residual Current	AC type
Rated Voltage ( $U_r$ )	230-240 V 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	4 kV

Voltage ( $U_{imp}$ )	
Dielectric Test Voltage	2 kV
Primary Rated Impulse Withstand Voltage	4 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 ( $I_{\Delta m}$ )	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
Leakage Current Type	AC
Frequency (f)	50/60 Hz
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 Poles	1+N
Number of Protected Poles	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 Signal contact / auxiliary contact Shunt trip Undervoltage release Overvoltage release Auxiliary contact for MCBs bottom fitting
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	on DIN rail EN 60715 (35 mm) by means of fast clip device in consumer unit Type A according to IEC 61439-1&3, BS EN 61439-1&3, in distribution board Type B according to IEC 61439-1&3, BS EN 61439-1&3.
Release Type	B
Screw Terminal Type	Cage Terminal
Options Provided	None
Accessories Available	Yes
Connecting Capacity	Busbar 10 mm <sup>2</sup>

	Rigid 35 ... 35 mm <sup>2</sup> Flexible 25 ... 25 mm <sup>2</sup>
Rated Cross-Section	4 - Multi-Wired 1...35 mm <sup>2</sup> 1 - Solid-Core 35...35 mm <sup>2</sup>
Terminal Type	Screw Terminals

## Environmental

Ambient Temperature	-25...55 °C
Ambient Air Temperature	Operation -25...55 °C
Reference Ambient Air Temperature	30 °C
Degree of Protection	Housing IP40 Terminals IP20
Pollution Degree	2
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
Resistance to Vibrations acc. to IEC 60068-2-6	0.35mm or 5g - 20 cycles at 5...150...5 Hz without load
Resistance to Shock acc. to IEC 60068-2-27	30g 2 shocks 13 ms
RoHS Status	Following EU Directive 2011/65/EU

## 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 <sub>2</sub> )	68.9 mm

## Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	0.036 m
Package Level 1 Height	0.088 m
Package Level 1 Depth / Length	0.143 m
Package Level 1 Gross Weight	0.220 kg
Package Level 1 EAN	8012542076131
Package Level 2 Units	box 30 piece
Package Level 2 Width	0.200 m
Package Level 2 Height	0.175 m
Package Level 2 Depth / Length	0.440 m
Package Level 2 Gross Weight	6.975 kg

Package Level 2 EAN

8012542076148

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## Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85363030
Country of Origin	Italy (IT)

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## Certificates and Declarations (Document Number)

Declaration of Conformity - CE	9AKK106930A0955
Instructions and Manuals	9AKK106930A0912
RoHS Information	9AKK106930A1510

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## Popular Downloads

Data Sheet, Technical Information	9AKK106930A0939
Instructions and Manuals	9AKK106930A0912

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## Classifications

ETIM 7	EC000905 - Earth leakage circuit breaker
ETIM 8	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

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## Categories

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

