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 PRODUCT-DETAILS

## DSE201 C20 A30 - N Black

### DSE201 C20 A30 - N Black Residual Current Circuit Breaker with Overcurrent Protection



Submitted by TECO Group

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**General Information**

Extended Product Type	DSE201 C20 A30 - N Black
Product ID	2CSR255153R1204
EAN	8012542305422
Catalog Description	DSE201 C20 A30 - 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

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**Technical**

Standards	IEC 61009-1 IEC 61009-2-2 AS/NZS 61009.1
Tripping Characteristic	C
Type of Residual Current	Type A
Rated Voltage (U <sub>r</sub> )	230-240 V AC

Rated Operational Voltage	230 / 240 V AC
Rated Insulation Voltage (U <sub>i</sub> )	500 V
Maximum Operating Voltage	264 V
Test Voltage (U <sub>t</sub> )	195 ... 264 V
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	4 kV
Dielectric Test Voltage	2 kV
Primary Rated Impulse Withstand Voltage	4 kV
Input Voltage Type	AC
Rated Current (I <sub>n</sub> )	20 A
Rated Residual Current	30 mA
Rated Short-Circuit Capacity	6 kA
Rated Residual Breaking Capacity (I <sub>Δm</sub> )	6 kA
Rated Conditional Short-Circuit Current (I <sub>nc</sub> )	6 kA
Rated Service Short-Circuit Breaking Capacity, in % of I <sub>cs</sub> (I <sub>cs</sub> )	6 kA
Maximum Surge Current	0.25 kA
Leakage Current Type	A
Frequency (f)	50/60 Hz
Rated Frequency (f)	50 ... 60 Hz
Power Loss	5.5 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
Operating Characteristic	Instantaneous
Overvoltage Category	III
Position of Neutral Terminals	Right
Tightening Torque	Top 1.2 N·m Bottom 2.8 N·m
Actuator Type	Toggle - Insulation group IIIA, black, sealable in ON-OFF positions
Earthing Switch Type	Undelayed
Housing Type	Insulation group II, RAL 7035
Mounting Type	DIN-Rail
Release Type	C
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Options Provided	None
Mounting Position	Any
Accessories Available	No
Connecting Capacity	Busbar 10 mm <sup>2</sup>

	Rigid 1...25 mm <sup>2</sup> Flexible 1...16 mm <sup>2</sup>
Rated Cross-Section	4 - Multi-Wired 1...25 mm <sup>2</sup> 1 - Solid-Core 25...25 mm <sup>2</sup>
Wire Stripping Length	Top 11 mm Bottom 12.5 mm
Terminal Type	Screw Terminals

## Material Compliance

RoHS Information	2CSC422006K2701
RoHS Status	Following EU Directive 2011/65/EU
RoHS Date	20140630
REACH Declaration	9AKK108467A9482
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

## Environmental

Ambient Temperature	-25...55 °C
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
Environmental Information	refer to RoHS information

## 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	0.100 m
Product Net Depth / Length	0.069 m
Product Net Weight	0.180 kg
Built-In Depth (t <sub>2</sub> )	68.9 mm

## Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.200 kg

## Certificates and Declarations

Declaration of Conformity - CE	9AKK106713A5595
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## Installation

Instructions and Manuals	9AKK106930A0912
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## Popular Downloads

Data Sheet, Technical Information	9AKK106930A0940
Mechanical Drawings	9AKK106930A2028 9AKK106930A2026

## 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



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