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 PRODUCT-DETAILS

## DSN201E C6 A10

# Residual Current Circuit Breaker with Overcurrent Protection




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### General Information

Extended Product Type	DSN201E C6 A10
Product ID	2CDB352501R0064
EAN	4022903005049
Catalog Description	Residual Current Circuit Breaker with Overcurrent Protection
Long Description	The DSN201E series is a 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). The neutral is switched

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### Technical

Standards	IEC/EN 61009-1 IEC 61009-2-2 AS/NZS 61009.1
Tripping Characteristic	C
Type of Residual Current	Type A
Rated Operational Voltage	acc. to IEC 60898-1 240 V

Rated Insulation Voltage (U <sub>i</sub> )	acc. to IEC/EN 60664-1 500 V
Test Voltage (U <sub>t</sub> )	160 ... 264 V
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	4 kV
Dielectric Test Voltage	2.5 kV
Input Voltage Type	AC
Rated Current (I <sub>n</sub> )	6 A
Rated Residual Current	10 mA
Rated Short-Circuit Capacity	6 kA
Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> )	6 kA
Rated Residual Breaking Capacity (I <sub>Δm</sub> )	3 kA
Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )	6 kA
Rated Service Short-Circuit Breaking Capacity, in % of I <sub>cu</sub> (I <sub>cs</sub> )	6 kA
Maximum Surge Current	2.5 kA
Rated Frequency (f)	50 ... 60 Hz
Power Loss	1.8 W
Power Supply Connection	Arbitrary
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+N
Number of Modular Spacings per DIN Rail	1
Operating Characteristic	Instantaneous
Overvoltage Category	III
Position of Neutral Terminals	Left
Accessory Type	Auxiliary contact Signal contact
Actuator Type	Toggle - Insulation group II
Earthing Switch Type	Undelayed
Housing Type	Insulation group I
Mounting Type	DIN-Rail
Screw Terminal Type	Cage Terminal
Mounting Position	Vertical/Horizontal
Accessories Available	Yes
Number of Batteries	0
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	1 - Solid-Core 1...25 mm <sup>2</sup> 4 - Multi-Wired 1...16 mm <sup>2</sup>
Wire Stripping Length	13 mm
Terminal Type	Screw Terminals

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## Material Compliance

RoHS Information	9AKK108468A2444
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20230529
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

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## Environmental

Ambient Air Temperature	Operation -25 ... 55 °C
Reference Ambient Air Temperature	30 °C
Degree of Protection	IP20
Pollution Degree	2
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
Resistance to Vibrations	30 Cycles with Load 0.8 In: 1.5g or 0.15mm 0 ... 80 Hz
Resistance to Shock acc. to IEC 60068-2-27	40g / 18 shocks / 5 ms

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## Technical UL/CSA

Short-Circuit Current Rating (SCCR)	0.01 A
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## Dimensions

Width in Number of Modular Spacings	1
Product Net Width	17.8 mm
Product Net Height	86 mm
Product Net Depth / Length	70 mm
Product Net Weight	0.113 kg
Built-In Depth (t <sub>2</sub> )	70 mm

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## Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.125 kg
Replacement Product ID (NEW)	2TAZ264114R1064

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## Certificates and Declarations

Declaration of Conformity - CE	9AKK108468A2444
Declaration of	9AKK108468A2445

Conformity - UKCA

KEMA Certificate	9AKK107991A0853
Certification Agency	AS/NZS IEC EN

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### Installation

Instructions and Manuals	9AKK107680A6346
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### Popular Downloads

Data Sheet, Technical Information	9AKK108467A6853
Mechanical Drawings	9AKK107680A6343 9AKK107680A6344

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### 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	85363010
UNSPSC	39121614
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

