

PRODUCT-DETAILS

DSN201E C16 A30 DSN201E C16 A30 Residual Current Circuit Breaker with Overcurrent Protection



General Information	
Extended Product Type	DSN201E C16 A30
Product ID	2CDB352501R1164
EAN	4022903005216
Catalog Description	DSN201E C16 A30 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

Technical		
Standards		IEC/EN 61009-1 IEC 61009-2-2 AS/NZS 61009.1
Tripping Characteristic		С
Type of Residual Current		A type
Rated Operational Voltage		230/240 V AC
Rated Insulation Voltage (U_i)		500 V
Test Voltage (Ut)		160 264 V
Rated Impulse Withstand Voltage (U _{imp})		4 kV
Dielectric Test Voltage		2.5 kV
	0000000	

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Rated Current (n) 16 A Rated Residual Current 30 mA Rated Short-Circuit 6 kA Capacity 6 kA Rated Residual Breaking 3 kA Capacity (Adm) 3 kA Rated Residual Breaking 3 kA Capacity (Adm) 6 kA Rated Service Short-Circuit Breaking Capacity (in Short Circuit Breaking Capacity) 6 kA Rated Service Short-Circuit Breaking Capacity 6 kA Circuit Breaking Capacity 6 kA Rated Service Short-Circuit Breaking Capacity 6 kA Circuit Breaking Capacity 6 kA In Sci Al Lou (log) 6 kA Rated Evice Short-Circuit Breaking Capacity 6 kA In Sci Al Lou (log) 6 kA Rated Evice Short-Circuit Breaking Capacity 6 kA In Sci Al Lou (log) 6 kA Rated Evice Short-Circuit Breaking Capacity 6 kA In Sci Al Lou (log) 5 0060 Hz Power Loss 2.5 kA Leakage Current Type 8 0000 Hz Power Loss 2.5 kM Power Supply Connection 8 0	Input Voltage Type	AC
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Capacity Capacity Rated Residual Breaking 3 kA Capacity (Irum) 3 kA Rated Service Short- Circuit Breaking Capacity (Irum) 6 kA Rated Service Short- Circuit Breaking Capacity (Irum) 6 kA Rated Service Short- Circuit Breaking Capacity (Irum) 5 kA Rated Service Short- Circuit Breaking Capacity (Irum) 5 kA Read Service Short- Circuit Breaking Capacity (Irum) 5 kA Reading Current 2.5 kA Leakage Current Type A Frequency (Irum) 5 kB kB Readed Frequency (Irum) 5 kB kB Power Loss 2.5 kW Power Loss 2.5 kW Power Loss 2.5 kW Power Loss 3 kB	· · · · · · · · · · · · · · · · · · ·	30 mA
Circuit Presidual Breaking (Lam) 3 kA Capacity (Lam) Rated Residual Breaking (Capacity (Lam)) 6 kA Capacity (Lam) Rated Service Short- Circuit Presiding Capacity (Lam) 6 kA Circuit Presiding Capacity (Lam) Rated Service Short- Circuit Presiding Capacity (Lam) 6 kA Circuit Presiding Capacity (Lam) 2.5 kA Leakage Current Type A Leakage Current Type A Power Loss 2.5 kB Power Loss 2.5 wB Power Supply Connection Red ON / Green OF President (Lam) Power Loss 3 Electrical Endurance 1000 cycle Mechanical Endurance 2000 cycle Number of Potes 1 Operating Characteristic Instantaneous Overvitage Category Instantaneous Overvitage Category Rumber of Modular Position of Neutral Left Terminal Left Terminal Left Terminal		6 kA
Capacity (IAm) 6 kA Rated Service Short- Circuit Breaking Capacity, (Inc.) 6 kA Rated Service Short- Circuit Breaking Capacity, in % of Icu (Inc.) 6 kA Maximum Surge Current 2.5 kA Leakage Current Type 3.60 kG Requency (f) 5.060 kG Reted Frequency (f) 5.060 kG Power Loss 2.5 kW Power Supply Connection Red ON (Green OFF Indicator) Contact Position Red ON (Green OFF Indicator) Energy Limiting Class 8 Red ON (Green OFF Indicator) Electrical Endurance 10000 cycle Number of Poles 20000 cycle Number of Poles (Indicator) 1 Number of Potested 1 Position of Neutral 1 Position of Neutral Left Terminals Accessory Type Auxiliary contact Signal	Circuit Breaking Capacity	6 kA
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Circuit Breaking Caparty, in % of locu (les) 2.5 kA Maximum Surge Current 2.5 kA Leakage Current Type	Circuit Breaking Capacity	6 kA
Leakage Current Type A Frequency (f) 50/60 Hz Rated Frequency (f) 50/60 Hz Power Loss 2.5 W Power Supply Connection Arbitrary Contact Position Red ON / Green OFF Indication Red ON / Green OFF Energy Limiting Class 3 Electrical Endurance 10000 cycle Mechanical Endurance 20000 cycle Number of Poles 2 Number of Protected 1 Poles 2 Number of Modular 1 Spacings per DIN Rail 1 Operating Characteristic Instantaneous Overvoltage Category Ill Position of Neutral Left Terminals 4 Accessory Type Auxiliary contact Signal contact Signal contact Contract Type Instantaneous Interest Mounting Type Instantaneous Interest Screw Terminal Type On DIN rail EN 60715 (35 mm) by means of mounting clip Screw Terminal Type On DIN rail EN 60715 (35 mm	Circuit Breaking Capacity,	6 kA
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Rated Frequency (f) 50/60 Hz Power Loss 2.5 W Power Supply Connection Arbitrary Contact Position Indication Red ON / Green OFF Indication Indication Red ON / Green OFF Indication Energy Limiting Class 3 Electrical Endurance 10000 cycle Mechanical Endurance 20000 cycle Mechanical Endurance 20000 cycle Mechanical Endurance 20000 cycle Mumber of Poles 2 Number of Protected Protected 2 Poles 1 Number of Modular Specings per DiN Rail 1 Operating Characteristic Instantaneous Overvoltage Category Ill Position of Neutral Left Accessory Type Auxiliary contact Accessory Type Auxiliary contact Accessory Type Auxiliary contact Earthing Switch Type Instantaneous Housing Type Instantaneous Mounting Type On DIN rail EN 60715 (35 mm) by means of mounting clo Screw Terminal Type Cape Terminal<	Leakage Current Type	A
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Contact Position Indication Red ON / Green OFF Indication Energy Limiting Class 3 Electrical Endurance 10000 cycle Mechanical Endurance 20000 cycle Number of Poles 2 Number of Protected Poles 1 Number of Modular Spacings per DIN Rail 1 Operating Characteristic Instantaneous Overvoltage Category Ill Position of Neutral Terminals Left Accessory Type Auxiliary contact Signal contact Actuator Type Toggle - Insulation group I Earthing Switch Type Insulation group I Housing Type Insulation group I Mounting Type on DIN rail EN 60715 (35 mm) by means of mounting clip Screw Terminal Type Cage Terminal Mounting Position Vertical & Horizontal Accessories Available Yes Number of Batteries 0 Connecting Capacity Busbar 10 mm² Flexible 16 mm² Flexible 1.	Power Loss	2.5 W
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Number of Protected Poles Number of Modular Spacings per DIN Rail 1 Operating Characteristic Instantaneous Overvoltage Category III Position of Neutral Left Terminals Accessory Type Auxiliary contact Signal conta	Mechanical Endurance	20000 cycle
Poles Number of Modular Spacings per DIN Rail 1 Operating Characteristic Instantaneous Overvoltage Category III Position of Neutral Terminals Left Accessory Type Auxilitary contact Signal contact	Number of Poles	2
Spacings per DIN Rail 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 on DIN rail EN 60715 (35 mm) by means of mounting clip Screw Terminal Type Cage Terminal Mounting Position Vertical & Horizontal Accessories Available Yes Number of Batteries 0 Connecting Capacity Busbar 10 mm² Flexible 116 mm² Flexible 116 mm² Flexible 116 mm² Rated Cross-Section 1 - Solid-Core 16 25 mm² flexible 116 mm² Wire Stripping Length 13 mm²		1
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Terminals Accessory Type Auxiliary contact Signal	Overvoltage Category	III
Actuator Type Toggle - Insulation group II Earthing Switch Type Undelayed Housing Type Insulation group II Mounting Type Insulation group II Screw Terminal Type On DIN rail EN 60715 (35 mm) by means of mounting clip Screw Terminal Type Cage Terminal Mounting Position Vertical & Horizontal Accessories Available Yes Number of Batteries O Connecting Capacity Busbar 10 mm² Rigid 125 mm² Flexible 116 mm² Rated Cross-Section 1 - Solid-Core 16 25 mm² 4 - Multi-Wired 16 16 mm² Wire Stripping Length 13 mm		Left
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Accessories Available Number of Batteries Connecting Capacity Busbar 10 mm² Rigid 125 mm² Flexible 116 mm² Rated Cross-Section 1 - Solid-Core 16 25 mm² 4 - Multi-Wired 16 16 mm² Wire Stripping Length	Screw Terminal Type	Cage Terminal
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Connecting Capacity Busbar 10 mm² Rigid 125 mm² Flexible 116 mm² Rated Cross-Section 1 - Solid-Core 16 25 mm² 4 - Multi-Wired 16 16 mm² Wire Stripping Length 13 mm²	Accessories Available	Yes
Rigid 125 mm² Flexible 116 mm² Rated Cross-Section 1 - Solid-Core 16 25 mm² 4 - Multi-Wired 16 16 mm² Wire Stripping Length 13 mm	Number of Batteries	0
Wire Stripping Length 4 - Multi-Wired 16 16 mm² 13 mm	Connecting Capacity	Rigid 125 mm²
	Rated Cross-Section	
Terminal Type Screw Terminals	Wire Stripping Length	13 mm
	Terminal Type	Screw Terminals

Environmental

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Ambient Air Temperature	Storage -25 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 acc. to IEC 60068-2-6	0.15mm or 1.5g - 30 cycles at 080 Hz
Resistance to Shock acc. to IEC 60068-2-27	40g / 18 shocks / 5 ms
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Information	9AKK108468A2444
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363
Technical UL/CSA	
Short-Circuit Current Rating (SCCR)	0.03 A
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 ₂)	70 mm
Ordering	
Minimum Order Quantity	1 piece
Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.125 kg
Customs Tariff Number	85363010
Country of Origin	China (CN)
Certificates and Declarations	
Certification Agency	AS/NZS IEC EN
Declaration of Conformity - CE	9AKK108468A2444
Declaration of Conformity - UKCA	9AKK108468A2445
KEMA Certificate	9AKK107991A0853

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Popular Downloads		
Data Sheet, Technical Information	9AKK108467A6853	
Instructions and Manuals	9AKK107680A6346	
Mechanical Drawings	9AKK107680A6343 9AKK107680A6344	
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363	

Classifications	
ETIM 8	EC000905 - Earth leakage circuit breaker
ETIM 9	EC000905 - Earth leakage circuit breaker
EPLAN Catalog Tree	Electrical engineering / Protection devices / Ground fault current 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

Categories

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





