

PRODUCT-DETAILS

DS203NC C32 AC30 DS203NC C32 AC30 Residual Current Circuit Breaker with Overcurrent Protection



General Information		
Extended Product Type	DS203NC C32 AC30	
Product ID	2CSR256040R1324	
EAN	8012542263920	
Catalog Description	DS203NC C32 AC30 Residual Current Circuit Breaker with Overcurrent Protection	
Long Description	DS203NC is a 3P+N residual current circuit breaker with overcurrent protection (RCBO) in four modules for the protection against short-circuit currents, overload, earth fault currents, indirect contacts, additional protection against direct contacts (30 mA versions)	

Technical	
Standards	IEC 61009-1
	IEC 61009-2-1
	EN 61009-1
	EN 61009-2-1
Tripping Characteristic	С
Type of Residual Current	AC type
Rated Voltage (U _r)	400-415 V AC
Rated Operational Voltage	400 415 V AC
Rated Insulation Voltage	500 V
(U _i)	

Rated Current (I,,) Rated Residual Current Rated Romot Circuit Rated Residual Current Rated Short-Circuit Rated Ultimate Short- Circuit Breaking Capacity (g,) Rated Conditional Short- Circuit Excession Short- Circuit Exce	Rated Impulse Withstand	4 kV
Rated Current (I _µ) 32 A Rated Residual Current 30 nA Rated Residual Current 30 nA Rated Residual Current (230 / 400 V AC) 6 kA Capacity (230 / 400 V AC) 6 kA Capacity (10 kA Circul Breaking Capacity (10 kA Circul Breaking Capacity 10 kA Circul Ereaking Capacity 0 kA Maximum Surge Current (I _{Re}) 0 kA Rated Frequency (f) 50 kL Power Loss 15.1 W Power Loss 15.1 W Power Loss 15.0 W Power Loss 10000 cycle Mather Gurance 10000 cycle Mumber of Poles 4 Number of Poles 4 Number of Poles 4 Number of Poles 4 Operating Characteristic Instantaneous Operating Characteristic Instantaneous Operating Characteristic None Accessories Available Yes Consorting Capacity Right Terninaki Right <	Voltage (U _{imp})	
Ratel Residul Current 30 mA Ratel Residul Current (200 / 400 V AC) 6 kA Capabity (200 / 400 V AC) 6 kA Capabity (200 / 400 V AC) 6 kA Capabity (200 / 400 V AC) 6 kA Circuit Evaking Capacity (200 / 400 V AC) 6 kA Circu	Input Voltage Type	AC
Rated Short-Circuit (230 / 400 V AC) 6 kA Capacity (230 / 400 V AC) 6 kA Capacity (10 kA Rated Short- (10 kA Circuit Freeking Capacity (10 kA (1,,) Rated Conditional Short- (10 kA Circuit Circuit Capacity 6 kA Circuit Circuit Capacity, 6 kA Frequency (f) 50 kB / kB Power Loss 16 kH Power Loss 16 kH Power Supply Connection A bHaray Power Loss 10 kB Capacity 10 kB Kumber of Poles 4 Number of Poles 4 Vomber of Poles C Copacital Endurance C Operating Characteristic Instantaneous Operating Capacity Undelayed Relade Zosonin 1 kB kH Polies Drovided None Accessories Available Yes Connecting Capacity Bubaer 10 rmm Rigdd Zos 25 rmm 1 k Soli Core 25 kB rm	Rated Current (I _n)	32 A
Capacity Rated Ulimate Short- Circuid Breaking Capacity (",,") Rated Conditional Short- Circuid Ereaking Capacity, (",,") Rated Schorte Constraint (",,") Rated Frequency (f) Schorte Constraint (",,") Reader Frequency (f) Schorte Constraint (",,") Reader Schorte Constraint (",,") Power Supply Connection Achibitray Energy Limiting Class Electrical Endvance (10000 cycle Number of Protected Constraint (",,") Reader Schorte Constraint (Rated Residual Current	30 mA
Circuit Teaking Capacity (i.g.,) Rated Conditional Short- Circuit Current (i.g.,) Rated Service Short- Circuit Current (i.g.,) Rated Service Short- Circuit Current (i.g.,) Maximum Surge Current Capacity (in % of Leu (i.g.,) Maximum Surge Current Capacity (in % of Leu (i.g.,) Maximum Surge Current Capacity (in % of Leu (i.g.,) Kated Frequency (i) Source Consection Capacity (in % of Leu (i.g.,) Capacity Cap	Rated Short-Circuit Capacity	(230 / 400 V AC) 6 kA
Circuit Current (1, nc) 6 kA Rated Service Short- 6 kA Circuit Breaking Capacity, 0.25 kA Leakage Current 0.25 kA Leakage Current Type AC Frequency (1) 5060 Hz Rated Frequency (2) 5060 Hz Power Loss 15.1 W Power Loss 15.1 W Power Supply Connection Arbitrary Energy Limiting Class 3 Electrical Endurance 10000 cycle Mumber of Poles 4 Number of Poles 4 Nervoltage Category III Poles C Options Provided None Accessories Available Yes Connecting Capacity Budshari 10 mm ² Rated Cross-Section 4 - Multi-Wired 1	Rated Ultimate Short- Circuit Breaking Capacity (I _{cu})	10 kA
Circuit Breaking Capacity, in % of Icu (I _{ca}) Maximum Surge Current 1 Leakage Current Type 0,25 KA Leakage Current Type 0,50 60 HZ Rated Frequency (f) 50 60 HZ Power Loss 115.1 W Power Supply Connection 0,4th Power Supply Connection 0,5th Power Supply Connection 0,5t	Rated Conditional Short- Circuit Current (I _{nc})	10 kA
Leakage Current Type AC Frequency (f) 50/60 Hz Rated Frequency (f) 50 60 Hz Power Loss 15.1 W Power Loss 3 Decircal Endurance 2000 cycle Number of Protected 3 Poles 100 Overoid U Operating Characteristic Instantaneous Operating Switch Type Undelayed Release Type C Connecting Capacity Busbar 10 mm [*] Rigid 25 25 mm [*] Rigid 25 25 mm [*] Rigid 25 25 mm [*] Rigid 25 25 mm [*] 1 - Soid-Core 25 25 m [*] 1 - Soid-Core 25 .	Rated Service Short- Circuit Breaking Capacity, in % of Icu (I _{cs})	6 kA
Frequency (f) 50/60 Hz Rated Frequency (f) 50 / 60 Hz Power Loss 15.1 W Power Supply Connection Arbitrary Energy Limiting Class 3 Electrical Endurance 10000 cycle Mumber of Poles 4 Number of Poles 4 Number of Poles 4 Operating Characteristic Instantaneous Overvoltage Category III Position of Neutral Right Terminals C Coptions Provided None Accessories Available Yes Connecting Capacity Budsz 1 25 mm² Flexible 25 25 mm² 1 Solid-Core 25 25 mm² Flexible 25 25 mm² 1 25 mm² Environmental	Maximum Surge Current	0.25 kA
Reted Frequency (f) 50 60 Hz Power Loss 15.1 W Power Supply Connection Arbitrary Energy Limiting Class 3 Electrical Endurance 10000 cycle Mechanical Endurance 20000 cycle Number of Poles 4 Number of Poles 4 Operating Characteristic Instantaneous Overvoltage Category III Position of Neutral Right Terminals C Coptions Provided None Accessories Available Yes Connecting Capacity Bustar 10 mm [*] Flexible 25 25 mm [*] 1 - Solid-Core 2525 m [*] Environmental 1 - Solid-Core 2525 m [*] Ambient Temperature -0peration -2555 °C Ambient Temperature Operation -2555 °C Pollution Degree 2 P2X	Leakage Current Type	AC
Power Loss 15.1 W Power Supply Connection Arbitrary Energy Limiting Class 3 Electrical Endurance 10000 cycle Mechanical Endurance 20000 cycle Number of Poles 4 Number of Potected 3 Poles 4 Operating Characteristic Instantaneous Operating Characteristic Instantaneous Overvoltage Category III Position of Neutral Right Terminals C Connecting Capacity Undelayed Release Type C Opticessories Available Yes Connecting Capacity Busber 10 mm [*] Rigid 25 25 mm [*] Fiexible 25 25 mm [*] Rated Cross-Section 4 - Multi-Wired 125 mm [*] Environmental -2555 °C Ambient Temperature -2555 °C Ambient Temperature -2555 °C Pollution Degree 0 Pollution Degree 192X	Frequency (f)	50/60 Hz
Power Supply Connection Arbitrary Energy Limiting Class 3 Electrical Endurance 10000 cycle Mechanical Endurance 200000 cycle Number of Poles 4 Number of Poles 4 Number of Protected 3 Poles 10000 cycle Operating Characteristic Instantaneous Overvoltage Category III Position of Neutral Right Terminals C Earthing Switch Type Undelayed Release Type C Options Provided None Accessories Available Yes Connecting Capacity Busbar 10 mm² Rigid 25 25 mm³ Flexible 25 25 mm³ Rated Cross-Section 4 - Multi-Wired 1 25 mm³ Lincommental -2555 °C Ambient Temperature -2555 °C Ambient Temperature -2555 °C Pollution Degree 0peration -2555 °C	Rated Frequency (f)	50 60 Hz
Energy Limiting Class 3 Electrical Endurance 10000 cycle Mechanical Endurance 20000 cycle Number of Poles 4 Number of Protected 3 Poles 0 Operating Characteristic Instantaneous Overvoltage Category III Position of Neutral Right Terminals 2 Earthing Switch Type Undelayed Release Type 0 Options Provided None Accessories Available Yes Connecting Capacity Busbar 10 mm ² Rated Cross-Section 4 - Multi-Wired 125 mm ³ Flexible 2525 mm ⁴ 1 - Solid-Core 2525 m ⁴ 2 - Solid-Core 2525 m ⁴	Power Loss	15.1 W
Electrical Endurance 10000 cycle Mechanical Endurance 20000 cycle Number of Poles 4 Number of Protected 3 Poles 0 Operating Characteristic Instantaneous Overvoltage Category 1 Position of Neutral 7 remrinals 2 Earthing Switch Type 0 Coptions Provided 0 Accessories Available 7 Connecting Capacity 8 Easted Cross-Section 4 - Multi-Wired 125 mm ² Rated Cross-Section 4 - Multi-Wired 125 mm ² Environmental - 2555 °C Ambient Air Temperature 0 Posterion 2855 °C Competition Degree 2	Power Supply Connection	Arbitrary
Mechanical Endurance 20000 cycle Number of Poles 4 Number of Protected 3 Poles Instantaneous Operating Characteristic Instantaneous Overvoltage Category III Position of Neutral Right Terminals 1 Earthing Switch Type Undelayed Release Type C Options Provided None Accessories Available Yes Connecting Capacity Busbar 10 mm ⁺ Ridid Cross-Section 4 - Multi-Wired 125 mm ² Environmental 1 - Solid-Core 2525 mc ² Ambient Temperature Operation -2555 °C Degree of Protection IP2X Pollution Degree 2	Energy Limiting Class	3
Number of Poles 4 Number of Protected 3 Poles Instantaneous Operating Characteristic Instantaneous Overvoltage Category III Position of Neutral Right Terminals Undelayed Release Type C Options Provided None Accessories Available Yes Connecting Capacity Busber 10 mm² Ridig 2525 mm² Flexible 25 25 mm² Rated Cross-Section 4 - Multi-Wired 1 25 mm² Environmental -2555 °C Ambient Temperature -2555 °C Ambient Temperature Operation -2555 °C Pollution Degree 1P2X	Electrical Endurance	10000 cycle
Number of Protected 3 Poles Instantaneous Operating Characteristic Instantaneous Overvoltage Category III Position of Neutral Right Terminals III Earthing Switch Type Undelayed Release Type C Options Provided None Accessories Available Yes Connecting Capacity Busbar 10 mm² Rigid 25 25 mm² Flexible 25 25 mm² Flexible 25 25 mm² Stoid-Core 25 25 mm² Environmental 1 - Solid-Core 25 25 mm² Ambient Temperature -2555 °C Ambient Air Temperature Operation -25 5° °C Pollution Degree 2	Mechanical Endurance	20000 cycle
Poles Instantaneous Operating Characteristic Instantaneous Overvoltage Category III Position of Neutral Right Terminals IUndelayed Earthing Switch Type Undelayed Release Type C Options Provided None Accessories Available Yes Connecting Capacity Busbar 10 mm² Rated Cross-Section 4 - Multi-Wired 125 mm² Flexible 25 25 mm² Texmined 125 mm² Environmental -2555 °C Ambient Temperature -2555 °C Degree of Protection IP2X Pollution Degree 2	Number of Poles	4
Overvoltage Category III Position of Neutral Terminals Right Earthing Switch Type Undelayed Release Type C Options Provided None Accessories Available Yes Connecting Capacity Busbar 10 mm² Rigid 25 25 mm² Flexible 25 25 mm² Rated Cross-Section 4 - Multi-Wired 1 25 mm² Environmental 1 - Solid-Core 25 25 °C Ambient Temperature -2555 °C Ambient Air Temperature -2555 °C Opgree of Protection IP2X Polluton Degree 2	Number of Protected Poles	3
Position of Neutral Terminals Right Earthing Switch Type Undelayed Release Type C Options Provided None Accessories Available Yes Connecting Capacity Busbar 10 mm² Rigid 25 25 mm² Flexible 25 25 mm² Flexible 25 25 mm² Rated Cross-Section 4 - Multi-Wired 1 25 mm² 1 - Solid-Core 25 25 mm² Environmental -2555 °C Ambient Temperature -2555 °C Ambient Air Temperature Operation -2555 °C Pagree of Protection IP2X Polytion Degree 2	Operating Characteristic	Instantaneous
Terminals Earthing Switch Type Undelayed Release Type Coptions Provided None Accessories Available Connecting Capacity Busbar 10 mm² Rigid 25 25 mm² Flexible 25 25 mm² Rated Cross-Section 4 - Multi-Wired 125 mm² I - Solid-Core 2525 °C Ambient Temperature -2555 °C Ambient Air Temperature Coperation -2555 °C Ambient Air Temperature Coperation -2555 °C Degree of Protection IP2X Polution Degree Commendat	Overvoltage Category	Ш
Release Type C Options Provided None Accessories Available Yes Connecting Capacity Busbar 10 mm² Release Type Busbar 10 mm² Regination of the state of the sta	Position of Neutral Terminals	Right
Options Provided None Accessories Available Yes Connecting Capacity Busbar 10 mm² Rigid 25 25 mm² Rigid 25 25 mm² Rated Cross-Section 4 - Multi-Wired 1 25 mm² Environmental 1 - Solid-Core 25 25 mm² Ambient Temperature -25 55 °C Ambient Air Temperature Operation -25 55 °C Pollution Degree 2	Earthing Switch Type	Undelayed
Accessories Available Yes Connecting Capacity Busbar 10 mm² Rigid 25 25 mm² Flexible 25 25 mm² Rated Cross-Section 4 - Multi-Wired 1 25 mm² I - Solid-Core 25 25 mm² Environmental Ambient Temperature -2555 °C Ambient Air Temperature Operation -2555 °C Degree of Protection IP2X Pollution Degree 2	Release Type	C
Connecting Capacity Busbar 10 mm² Rigid 25 25 mm² Rigid 25 25 mm² Flexible 25 25 mm² Flexible 25 25 mm² Rated Cross-Section 4 - Multi-Wired 1 25 mm² I - Solid-Core 25 25 mm² 1 - Solid-Core 25 25 mm² Environmental -25 55 °C Ambient Temperature -25 55 °C Degree of Protection IP2X Pollution Degree 2	Options Provided	None
Rigid 25 25 mm² Flexible 25 25 mm² Rated Cross-Section 4 - Multi-Wired 1 25 mm² 1 - Solid-Core 25 25 mm² Environmental Ambient Temperature -2555 °C Ambient Air Temperature Operation -2555 °C Degree of Protection IP2X Pollution Degree	Accessories Available	Yes
1 - Solid-Core 2525 mm² Environmental Ambient Temperature -2555 °C Ambient Air Temperature Operation -2555 °C Degree of Protection IP2X Pollution Degree 2	Connecting Capacity	Rigid 25 25 mm ²
Ambient Temperature-2555 °CAmbient Air TemperatureOperation -2555 °CDegree of ProtectionIP2XPollution Degree2	Rated Cross-Section	
Ambient Temperature-2555 °CAmbient Air TemperatureOperation -2555 °CDegree of ProtectionIP2XPollution Degree2	Environmental	
Ambient Air TemperatureOperation -2555 °CDegree of ProtectionIP2XPollution Degree2	Ambient Temperature	
Degree of Protection IP2X Pollution Degree 2		
Pollution Degree 2		

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9AKK106713A5597

REACH Declaration	9AKK108467A9482
Environmental Information	refer to RoHS information
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Dimensions			
Width in Number of Modular Spacings	4		
Product Net Width	0.071 m		
Product Net Height	0.085 m		
Product Net Depth / Length	0.069 m		
Product Net Weight	0.480 kg		
Built-In Depth (t ₂)	69 mm		
Ordering			
Minimum Order Quantity	1 piece		
Package Level 1 Units	box 1 piece		
Package Level 1 Gross Weight	0.530 kg		
Certificates and Declarations			
CCC Certificate	2021980307001650		
Declaration of Conformity - CE	9AKK106713A5597		
Installation			
Instructions and Manuals	9AKK106713A8790		
Popular Downloads			
Data Sheet, Technical	2CSC423030B0201		
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		

Subject to change without notice

Object Classification Code

Accessories

Identifier	Description	Туре	Quantity	Unit Of Measure
2CDS200912R0001	S2C-H6R Auxiliary Contact	S2C-H6R	1	piece
2CDS200922R0001	S2C-S/H6R Signal / Auxiliary Contact	S2C-S/H6R	1	piece
2CSS200910R0005	S2C-OVP1 Overvoltage release	S2C-OVP1	1	piece
2CSS200911R0002	S2C-UA 24 AC Undervoltage release S	62C-UA 24 AC	1	piece
2CSS200911R0003	S2C-UA 48 AC Undervoltage release S	62C-UA 48 AC	1	piece
2CSS200911R0004	S2C-UA 110 AC Undervoltage release	S2C-UA 110 AC	1	piece
2CSS200911R0005	S2C-UA 230 AC Undervoltage release	S2C-UA 230 AC	1	piece
2CSS200911R0006	S2C-UA 400 AC Undervoltage release	S2C-UA 400 AC	1	piece
2CSS200923R0001	SN201-IH Interface module with auxiliary contact	SN201-IH	1	piece
2CSS200924R0001	SN201-S Signal contact	SN201-S	1	piece
2CSS200933R0011	F2C-A1 Shunt trip	F2C-A1	1	piece
2CSS200933R0012	F2C-A2 Shunt trip	F2C-A2	1	piece
2CSS200993R0005	S2C-OVP2 Overvoltage release	S2C-OVP2	1	piece

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







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