

PRODUCT-DETAILS

DS202CR C32 A300 DS202CR C32 A300 Residual Current Circuit Breaker with Overcurrent Protection



General Information		
Extended Product Type	DS202CR C32 A300	
Product ID	2CSR752140R3324	
EAN	4022903033936	
Catalog Description	DS202CR C32 A300 Residual Current Circuit Breaker with Overcurrent Protection	
Long Description	The DS202CR series RCBO is a 2P in two-modules device for the protection of end use single-phase circuits against overload and short-circuit currents. Protection against the effects of sinusoidal alternating and direct pulsating earth fault currents. Protection against indirect contacts and additional protection against direct contacts (with sensitivity = 30 m/s).	
Eco Transparency		
Environmental Product Declaration - EPD	9AKK108467A5738	
Technical		
Standards	IEC/EN 61009-1 IEC/EN 61009-2-1	
Tripping Characteristic	C	
Type of Residual Current	A type	

Rated Insulation Voltage (U) Rated Impulse Withstand Voltage (Une) Input Voltage Type Rated Current (L) Rated Residual Current Rated Residual Current Rated Short-Circuit Capacity Rated Ullimate Short-Circuit Capacity Rated Ullimate Short-Circuit Capacity Rated Ullimate Short-Circuit Capacity Rated Pesidual Current Rated Short-Circuit Capacity Rated Ullimate Short-Circuit Capacity Rated Pesidual Current Rated Short-Circuit Rated Residual Current Rated Short-Circuit Rated Residual Current Rated Pesidual Current Rated Pesidual Current Rated Pesidual Current Rated Firequency (N) Rated Service Short- Circuit Breaking Capacity Rated Residual Current Rated Firequency (N) Rated Fi	Rated Operational Voltage	acc. to IEC 60898-1 230 V		
Voltage (Vimp) AC Input Voltage Type AC Rated Current (I _x) 32 A Rated Residual Current 30 om A Rated Short-Circuit 6 kA Capacity 10 kA Rated Short-Circuit (Facility) 10 kA Circuit Breaking Capacity (I _x) 10 kA Rated Service Short-Circuit (Facility) 6 kA Circuit Breaking Capacity (I _x) 6 kA Maximum Surge Current 0 kA Leakage Current Type A Rated Frequency (f) 50 Hz Rated Frequency (f) 50 Hz Power Loss 7.60 W Power Loss 7.60 W Power Loss 7.60 W Power Supply Connection Arbitrary Energy Limiting Class 3 Energy Limiting Class 2 Energy Limiting Class 2 Number of Poles 2 Number of Poles 2 Number of Poles 2 Power Supply Conrected 2 Poets 3 F				
Rated Current (In) 32 A Rated Residual Current 300 mA Rated Residual Current 6 kA Capacity 10 kA Capacity 10 kA Circuit Breaking Capacity (In) 10 kA Circuit Breaking Capacity (In) 6 kA Circuit Breaking Capacity (In) 6 kA Circuit Breaking Capacity (In) 25 kA Maximum Surge Current 0.25 kA Leakage Current Type A Reted Frequency (I) 50 Hz Reted Frequency (I) 50 Hz Reted Frequency (I) 50 Hz Rever Supply Connection 7.60 W Power Supply Connection 3 Energy Limiting Class 3 Electrical Endurance 10000 operations Morber of Poles 2 Number of Poles 2 Number of Protected 2 Poles 1 Fault Indication Bue flag on windrows Overvoltage Category III Posting Of Neutral 1.6t Terminal 1.6t	Rated Impulse Withstand Voltage (U _{imp})	4 kV		
Rated Residual Current 300 mA Rated Ultimate Short-Circuit treaking Capacity (100) 10 kA Rated Ultimate Short-Circuit treaking Capacity (100) 10 kA Rated Service Short-Circuit Breaking Capacity (100) 6 kA Maximum Surge Current 0.25 kA Leakage Current Type A Frequency (1) 50 Hz Rated Frequency (8) 50 Hz Power Loss 7.60 W Power Supply Connection Arbitrary Energy Limiting Class 3 Electrical Endurance 10000 operations Mechanical Endurance 20000 operations Number of Poles 2 Number of Protected Poles 2 Poles 2 Fault Indication Blue flag on window Operating Characteristic Instantaneous Overvoltage Category Ill Position of Neutral Terminals Left Terminals Left Tightening Torque Auxiliary contact Accessory Type Auxiliary contact Mounting Type Din Reail <	Input Voltage Type	AC		
Rated Short-Circuit 6 FA Capacity Rated Ultimate Short-Circuit Breaking Capacity (***) 10 FA Circuit Breaking Capacity (***) Circuit Breaking Capacity (***) 6 FA Capacity (***) Circuit Breaking Capacity (***) 2.5 FA Classing Current 2.5 FA Leakage Current Type A Frequency (f) 50 Hz Rated Frequency (f) 50 Hz Power Loss 7.60 W Power Supply Connection A bring Type Capacity Feergy Limiting Class 3 Electrical Endurance 10000 operations Mechanical Endurance 20000 operations Mechanical Endurance 20000 operations Mumber of Poles 2 Number of Poles 2 Poles 2 Fault Indication Blue flag on window Operating Characteristic Instantaneous Operating Characteristic Instantaneous Operating Characteristic Instantaneous Operating Torque 4 ht Accessory Type Auxiliary contact Earthing Switch Type In	Rated Current (I _n)	32 A		
Capacity 10 kA Rated Ultimate Short- Circuit Breaking Capacity (I _{cu}) 6 kA Circuit Breaking Capacity (I _{cu}) 6 kA Circuit Breaking Capacity (I _{cu}) 0.25 kA Leakage Current 0.25 kA Leakage Current Type 7 kB Reted Frequency (f) 50 Hz Reted Frequency (f) 50 Hz Power Loss 7.60 W Power Supply Connection Abitrary Energy Limiting Class 3 Electrical Endurance 10000 operations Mechanical Endurance 20000 operations Number of Poles 2 Number of Protected 2 Poles 2 Fault Indication Blue flag on window Operating Characteristic Instantaneous Overvoltage Category Ill Position of Neutral Right Tightening Torque 4 Nm Accessory Type Audiliary contact Earthing Switch Type Undelayed Mounting Type Undelayed Mounting Type Undelayed	Rated Residual Current	300 mA		
Circuit Freaking Capacity (Ing.) 6 kA Circuit Breaking Capacity (Ing.) 6 kA Circuit Breaking Capacity (Ing.) 2.5 kA Leakage Current Type A Frequency (f) 50 Hz Rated Frequency (f) 50 Hz Power Loss 7.60 W Power Supply Connection Abthray Energy Limiting Class 3 Electrical Endurance 10000 operations Mechanical Endurance 20000 operations Number of Poles 2 Number of Poles 2 Number of Poles 2 Poles 2 Fault Indication Blue flag on window Operating Characteristic Instantaneous Overvoltage Category Ill Position of Neutral Signal ontact Auxiliary contact Terminals Left Ifphening Torque 4 Nm Accessory Type Signal ontact Auxiliary contact Earthing Switch Type One Auxiliary contact Mounting Position Any Accessories Available Yes		6 kA		
Circuit Breaking Capacity (Icg) 0.25 kA Maximum Surge Current 0.25 kA Leakage Current Type A Frequency (f) 50 Hz Rated Frequency (g) 50 Hz Power Loss 7.60 W Power Supply Connection Arbitrary Energy Limiting Class 3 Electrical Endurance 10000 operations Mechanical Endurance 200000 operations Number of Poles 2 Number of Poles 2 Number of Poles 2 Fault Indication Blue flag on window Operating Characteristic Instantaneous Operating Characteristic Instantaneous Overvoltage Category Ill Position of Neutral Right Terminals Left Tighten Torque 4 N·m Accessory Type Auxiliary contact Earthing Switch Type Undelayed Mounting Type DIN-Rail Mounting Position Any Accessories Available Yes Number of Batte	Circuit Breaking Capacity	10 kA		
Leakage Current Type A Frequency (f) 50 Hz Rated Frequency (g) 50 Hz Power Loss 7.60 W Power Supply Connection Arbitrary Energy Limiting Class 3 Electrical Endurance 100000 operations Mechanical Endurance 200000 operations Number of Poles 2 Number of Protected 2 Poles 2 Fault Indication Blue flag on window Operating Characteristic Instantaneous Overvoltage Category Ill Position of Neutral Terminals Right Terminals Terminals 4 N-m Accessory Type Auxiliary contact Signal contact / auxiliary contact Signal contact / auxiliary contact Earthing Switch Type Undelayed Mounting Type DIN-Rail Mounting Position Any Accessories Available Yes Vumber of Batteries 35 mm² Cable Size 35 mm² Cable Size 35 mm²	Circuit Breaking Capacity	6 kA		
Frequency (f) 50 Hz Rated Frequency (f) 50 Hz Power Loss 7.60 W Power Supply Connection Arbitrary Energy Limiting Class 3 Electrical Endurance 10000 operations Mechanical Endurance 20000 operations Number of Poles 2 Number of Protected 2 Poles 2 Fault Indication Blue flag on window Operating Characteristic Instantaneous Overvoltage Category Ill Position of Neutral Terminals Left Terminals Left Tightening Torque 4 N·m Accessory Type Auxiliary contact Earthing Switch Type Undelayed Mounting Type DIN-Rail Mounting Type DIN-Rail Mounting Position Arg Accessories Available Yes Number of Batteries 0 Cable Size 35 mm² Connecting Capacity Busbar 1010 mm² Flexible 125 mm² 1 -	Maximum Surge Current	0.25 kA		
Rated Frequency (f) 50 Hz Power Loss 7.60 W Power Supply Connection Arbitrary Energy Limiting Class 3 Electrical Endurance 10000 operations Mechanical Endurance 200000 operations Number of Poles 2 Number of Protected 2 Poles 2 Fault Indication Blue flag on window Operating Characteristic Instantaneous Overvoltage Category Ill Position of Neutral Right Terminals Left Tightening Torque Auxiliary contact Accessory Type Auxiliary contact Signal contact / auxiliary contact Signal contact / auxiliary contact Earthing Switch Type Undelayed Mounting Type DIN-Rail Mounting Position Any Accessories Available Yes Number of Batteries 0 Cable Size 35 mm² Connecting Capacity Busbar 1010 mm² Flexble 125 mm² Rigid Solid 135 mm² 4 - Multi-Wired 125 mm² 	Leakage Current Type	A		
Power Loss 7.60 W Power Supply Connection Arbitrary Energy Limiting Class 3 Electrical Endurance 10000 operations Mechanical Endurance 20000 operations Number of Poles 2 Number of Protected 2 Poles 2 Fault Indication Blue flag on window Operating Characteristic Instantaneous Overvoltage Category Ill Position of Neutral Right Terminals Left Tightening Torque 4 N·m Accessory Type Auxiliary contact Earthing Switch Type Undelayed Mounting Type DIN-Rail Mounting Position Any Accessories Available Yes Number of Batteries 0 Cable Size 35 mm² Connecting Capacity Busbar 1010 mm² Flexible 125 mm² Rigid Solid 135 mm² Rigid Solid 135 mm² Rigid Solid 135 mm² Read Cross-Section 1 - Solid-Core 1 35 mm²	Frequency (f)	50 Hz		
Power Supply Connection Arbitrary Energy Limiting Class 3 Electrical Endurance 10000 operations Mechanical Endurance 20000 operations Number of Poles 2 Number of Protected 2 Poles 2 Fault Indication Blue flag on window Opervoltage Category Ill Position of Neutral Right Terminals Left Tightening Torque 4 N·m Accessory Type Auxiliary contact Earthing Switch Type Undelayed Mounting Type DIN-Rail Mounting Type DIN-Rail Mounting Position Any Accessories Available Yes Number of Batteries 0 Cable Size 35 mm² Connecting Capacity Busbar 110 mm² Flexible 125 mm² Rigid Solid 135 mm² Rated Cross-Section 1 - Solid-Core 1 35 mm² Rated Cross-Section 1 - Solid-Core 1 35 mm²	Rated Frequency (f)	50 Hz		
Energy Limiting Class 3 Electrical Endurance 10000 operations Mechanical Endurance 20000 operations Number of Poles 2 Number of Protected Poles 2 Fault Indication Blue flag on window Operating Characteristic Instantaneous Overvoltage Category Ill Position of Neutral Terminals Right Terminals 4 Nrm Accessory Type Auxiliary contact Signal contact / auxiliary contact Signal contact / auxiliary contact Earthing Switch Type Undelayed Mounting Type DIN-Rail Mounting Position Any Accessories Available Yes Number of Batteries 0 Cable Size 35 mm² Connecting Capacity Bushar 1010 mm² Rigid Solid 135 mm² Rigid Solid 135 mm² Rigid Solid 135 mm² Rigid Solid 135 mm² Respective of the content	Power Loss	7.60 W		
Electrical Endurance 10000 operations Mechanical Endurance 20000 operations Number of Poles 2 Number of Protected 2 Poles 2 Fault Indication Blue flag on window Operating Characteristic Instantaneous Overvoltage Category Ill Position of Neutral Right Terminals Left Tightening Torque 4 N·m Accessory Type Auxiliary contact Earthing Switch Type Undelayed Mounting Type DIN-Rail Mounting Position Any Accessories Available Yes Number of Batteries 0 Cable Size 35 mm² Connecting Capacity Busbar 1010 mm² Flexible 125 mm² Rigid Solid 135 mm² Rated Cross-Section 1 - Solid-Core 1 35 mm² 4 - Multi-Wired 1 25 mm²	Power Supply Connection	Arbitrary		
Mechanical Endurance 20000 operations Number of Poles 2 Number of Protected Poles 2 Fault Indication Blue flag on window Operating Characteristic Instantaneous Overvoltage Category Ill Position of Neutral Terminals Right Left Tightening Torque 4 N·m Accessory Type Auxiliary contact Signal contact / auxiliary contact Earthing Switch Type Undelayed Mounting Type DIN-Rail Mounting Position Any Accessories Available Yes Number of Batteries 0 Cable Size 35 mm² Connecting Capacity Busbar 1010 mm² Flexible 125 mm² Rigid Solid 135 mm² Rated Cross-Section 1 - Solid-Core 1 35 mm² A - Multi-Wired 125 mm²	Energy Limiting Class	3		
Number of Poles 2 Number of Protected Poles 2 Fault Indication Blue flag on window Operating Characteristic Instantaneous Overvoltage Category Ill Position of Neutral Terminals Right Left Tightening Torque 4 N·m Accessory Type Auxiliary contact Signal contact / auxiliary contact Signal contact / auxiliary contact Earthing Switch Type Undelayed Mounting Type DIN-Rail Mounting Position Any Accessories Available Yes Number of Batteries 0 Cable Size 35 mm² Connecting Capacity Busbar 1010 mm² Flexible 125 mm² Rigid Solid 135 mm² Rated Cross-Section 1 - Solid-Core 1 35 mm² A - Multi-Wired 125 mm²	Electrical Endurance	10000 operations		
Number of Protected Poles 2 Fault Indication Blue flag on window Operating Characteristic Instantaneous Overvoltage Category Ill Position of Neutral Terminals Right Left Tightening Torque 4 N·m Accessory Type Auxiliary contact Signal contact / auxiliary contact Signal contact / auxiliary contact Earthing Switch Type Undelayed Mounting Type DIN-Rail Mounting Position Any Accessories Available Yes Number of Batteries 0 Cable Size 35 mm² Connecting Capacity Busbar 1010 mm² Flexible 125 mm² Rigid Solid 135 mm² Rated Cross-Section 1 - Solid-Core 1 35 mm² 4 - Multi-Wired 1 25 mm²	Mechanical Endurance	20000 operations		
Poles Fault Indication Blue flag on window Operating Characteristic Instantaneous Overvoltage Category Ill Position of Neutral Terminals Right Left Tightening Torque 4 N·m Accessory Type Auxiliary contact Signal contact / auxiliary contact Signal contact / auxiliary contact Earthing Switch Type Undelayed Mounting Type DIN-Rail Mounting Position Any Accessories Available Yes Number of Batteries 0 Cable Size 35 mm² Connecting Capacity Busbar 1010 mm² Flexible 125 mm² Rigid Solid 135 mm² Rigid Solid 135 mm² Rated Cross-Section 1 - Solid-Core 135 mm² 4 - Multi-Wired 125 mm²	Number of Poles	2		
Operating Characteristic Instantaneous Overvoltage Category III Position of Neutral Terminals Right Terminals Tightening Torque 4 N·m Accessory Type Auxiliary contact Signal contact / auxiliary contact Signal contact / auxiliary contact Earthing Switch Type Undelayed Mounting Type DIN-Rail Mounting Position Any Accessories Available Yes Number of Batteries 0 Cable Size 35 mm² Connecting Capacity Busbar 1010 mm² Flexible 125 mm² Rigid Solid 135 mm² Rigid Solid 135 mm² Rated Cross-Section 1 - Solid-Core 135 mm² 4 - Multi-Wired 125 mm²		2		
Overvoltage Category III Position of Neutral Terminals Right Terminals Tightening Torque 4 N·m Accessory Type Auxiliary contact Signal contact / auxiliary contact Signal contact / auxiliary contact Earthing Switch Type Undelayed Mounting Type DIN-Rail Mounting Position Any Accessories Available Yes Number of Batteries 0 Cable Size 35 mm² Connecting Capacity Busbar 1010 mm² Flexible 125 mm² Rigid Solid 135 mm² Rated Cross-Section 1 - Solid-Core 1 35 mm² 4 - Multi-Wired 1 25 mm²	Fault Indication	Blue flag on window		
Position of Neutral Terminals Right Terminals Tightening Torque 4 N·m Accessory Type Auxiliary contact Signal contact / auxiliary contact Earthing Switch Type Undelayed Mounting Type DIN-Rail Mounting Position Any Accessories Available Yes Number of Batteries 0 Cable Size 35 mm² Connecting Capacity Busbar 1010 mm² Flexible 125 mm² Rigid Solid 135 mm² Rated Cross-Section 1 - Solid-Core 1 35 mm² 4 - Multi-Wired 1 25 mm²	Operating Characteristic	Instantaneous		
Terminals Left Tightening Torque 4 N·m Accessory Type Auxiliary contact Earthing Switch Type Undelayed Mounting Type DIN-Rail Mounting Position Any Accessories Available Yes Number of Batteries 0 Cable Size 35 mm² Connecting Capacity Busbar 1010 mm² Flexible 125 mm² Rigid Solid 135 mm² Rated Cross-Section 1 - Solid-Core 1 35 mm² 4 - Multi-Wired 1 25 mm²	Overvoltage Category	III		
Accessory Type Auxiliary contact Signal contact / auxiliary contact Earthing Switch Type Undelayed Mounting Type DIN-Rail Mounting Position Accessories Available Yes Number of Batteries Onnecting Capacity Busbar 1010 mm² Flexible 125 mm² Rated Cross-Section 1 - Solid-Core 1 35 mm² 4 - Multi-Wired 1 25 mm²				
Earthing Switch Type Undelayed Mounting Type DIN-Rail Mounting Position Any Accessories Available Yes Number of Batteries 0 Cable Size 35 mm² Connecting Capacity Busbar 1010 mm² Flexible 125 mm² Rigid Solid 135 mm² Rigid Solid 135 mm² A - Multi-Wired 1 25 mm²	Tightening Torque	4 N·m		
Mounting Type Mounting Position Any Accessories Available Number of Batteries Connecting Capacity Connecting Capacity Rated Cross-Section DIN-Rail Any Accessories Available Yes 35 mm² Busbar 1010 mm² Flexible 125 mm² Rigid Solid 135 mm² 4 - Multi-Wired 1 25 mm²	Accessory Type	•		
Mounting Position Any Accessories Available Yes Number of Batteries 0 Cable Size 35 mm² Connecting Capacity Busbar 1010 mm² Flexible 125 mm² Rigid Solid 135 mm² Rigid Solid 135 mm² Rated Cross-Section 1 - Solid-Core 1 35 mm² 4 - Multi-Wired 1 25 mm²	Earthing Switch Type	Undelayed		
Accessories Available Number of Batteries Cable Size Connecting Capacity Busbar 1010 mm² Flexible 125 mm² Rated Cross-Section 1 - Solid-Core 1 35 mm² 4 - Multi-Wired 1 25 mm²	Mounting Type	DIN-Rail		
Number of Batteries 0 Cable Size 35 mm² Connecting Capacity Busbar 1010 mm² Flexible 125 mm² Rigid Solid 135 mm² Rated Cross-Section 1 - Solid-Core 1 35 mm² 4 - Multi-Wired 1 25 mm²	Mounting Position	Any		
Cable Size 35 mm² Connecting Capacity Busbar 1010 mm² Flexible 125 mm² Rigid Solid 135 mm² Rated Cross-Section 1 - Solid-Core 1 35 mm² 4 - Multi-Wired 1 25 mm²	Accessories Available	Yes		
Connecting Capacity Busbar 1010 mm² Flexible 125 mm² Rigid Solid 135 mm² Rated Cross-Section 1 - Solid-Core 1 35 mm² 4 - Multi-Wired 1 25 mm²	Number of Batteries	0		
Flexible 125 mm² Rigid Solid 135 mm² Rated Cross-Section 1 - Solid-Core 1 35 mm² 4 - Multi-Wired 1 25 mm²	Cable Size	35 mm²		
4 - Multi-Wired 1 25 mm ²	Connecting Capacity	Flexible 125 mm²		
Wire Stripping Length 11 mm	Rated Cross-Section	1 - Solid-Core 1 35 mm²		
	Wire Stripping Length	11 mm		

Environmental	
Ambient Air Temperature	Operation -25 +55 °C
5 (5) (Storage -40 +70 °C
Degree of Protection	
Pollution Degree Environmental Conditions	28 cycle
Environmental conditions	with 55 °C / 90-96 % and 25 °C / 95-100 %
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Information	9AKK108466A5162
REACH Declaration	9AKK108466A9708
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363
Dimensions	
Width in Number of Modular Spacings	2
Product Net Width	36 mm
Product Net Height	86 mm
Product Net Depth / Length	72 mm
Product Net Weight	0.220 kg
Built-In Depth (t ₂)	72 mm
Ordering	
Minimum Order Quantity	1 piece
Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.245 kg
Certificates and Declarations	
ABS Certificate	9AKK108467A7630
Declaration of Conformity - CE	9AKK108466A5162
IMQ Certificate	9AKK108467A6463
NF Certificate	9AKK108467A7736
VDE Certificate	9AKK108467A7823
Installation	

Data Sheet, Technical	9AKK108467A1864
Information	

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	

Accessories			
Identifier	Description Type	Quantity	Unit Of Measure
2CDS200931R0001	G2C-H6-L+R Signal / Auxiliary contact G2C-H6-L+R	1	piece
2CDS200932R0001	G2C-S/H6-L+R Signal / Auxiliary contact G2C-S/H6-L+R	1	piece
2CDS200932R0011	G2C-S/H6-L+R-KL Signal / Auxiliary contact G2C-S/H6-L+R	1	piece

Categories

 $Low\ Voltage\ Products\ and\ Systems \rightarrow Modular\ DIN\ Rail\ Products \rightarrow Residual\ Current\ Devices\ RCDs \rightarrow Residual\ Current\ Circuit\ Breakers\ with\ Overcurrent\ Protection\ RCBO \rightarrow DS202CR$





