

PRODUCT-DETAILS

DS202CR B25 A300 DS202CR B25 A300 Residual Current Circuit Breaker with Overcurrent Protection



General Information	
Extended Product Type	DS202CR B25 A300
Product ID	2CSR752140R3255
EAN	4022903033929
Catalog Description	DS202CR B25 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 user 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 mA).
Eco Transparency	
Eco Transparency Environmental Product Declaration - EPD	9AKK108467A5738
Environmental Product	9AKK108467A5738
Environmental Product Declaration - EPD	9AKK108467A5738 IEC/EN 61009-1 IEC/EN 61009-2-1
Environmental Product Declaration - EPD Technical	IEC/EN 61009-1

Rated Inquise Withstand Voltage (Un) Rated Inquise Withstand Voltage (Un) Input Voltage Type Acade Acade Residual Current Rated Residual Current Rated Residual Current Rated Residual Current Rated Short Circuit Capacity Rated Withstand Short Circuit Capacity Rated Service Short- Circuit Breaking Capacity (La) Rated Service Short- Circuit Breaking Capacity (La) Rated Frequency (1) Rated Frequency (2) Rated Machinaria Ender Rate Lakaga Current Type Acade Frequency (3) Rated Frequency (4) Rated Frequency (4) Rated Frequency (5) Rated Frequency (4) Rated Frequency (5) Rated Frequency (5) Rated Frequency (6) Rated Frequency (6) Rated Frequency (7) Rated Frequency (7) Rated Frequency (8) Rated Frequency (8) Rated Frequency (9)	Rated Operational Voltage	acc. to IEC 60898-1 230 V		
Voltage (Vimp) AC Input Voltage Type AC Rated Current (I _x) 25 A Rated Residual Current 300 mA Rated Short-Circuit 6 kA Capacity 10 kA Rated Short-Circuit (Final Short-Circuit) 10 kA Circuit Breaking Capacity (I _x) 6 kA Rated Service Short-Circuit (Final Short-Circuit Breaking Capacity (I _x) 6 kA Rated Service Short-Circuit (Final Short-Circuit Breaking Capacity (I _x) 6 kA Maximum Surge Current 0 kA Leakage Current Type A Return (I _x) 50 Hz Rated Frequency (f) 50 Hz Return Frequency (f) 50 Hz Power Loss 6.20 W Power Loss 6.20 W Power Supply Connection Arbitrary Energy Limiting Class 3 Energy Limiting Class 2 Return Cardurance 10000 operations Murchance 20000 operations Murchance 20000 operations Number of Potes 2 Fault Indication				
Rated Current (In) 25 A Rated Residual Current 300 mA Rated Residual Current 6 kA Capacity 10 kA Capacity 10 kA Circuit Breaking Capacity (Inc) 10 kA Circuit Breaking Capacity (Inc) 6 kA Circuit Breaking Capacity (Inc) 6 kA Circuit Breaking Capacity (Inc) 25 kA Maximum Surge Current 0.25 kA Leakage Current Type A Reted Frequency (f) 50 Hz Reted Frequency (f) 50 Hz Reted Frequency (f) 50 Hz Rever Supply Connection A brequency (Inc) Rever Supply Connection 3 3 Electrical Endurance 10000 operations Morent Supply Connection 2 0 Morent Supply Connection 2 0 Morent Supply Connection 3 3 Electrical Endurance 10000 operations Morent Supply Connection 2 0 Number of Potested 2 2 Poles 2 0 Feeting Supplemental Supplemental Supplemental Supplemental Sup	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) 6 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) 6.20 W Power Loss 6.20 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 (***) 6 FA Capacity (***) Cleakage Current Type A Frequency (**) 50 Hz Rated Frequency (**) 50 Hz Rated Frequency (**) 50 Hz Power Loss 6.20 W Power Supply Connection A bitney Energy Limiting Class 3 Electrical Endurance 10000 operations Mechanical Endurance 20000 operations Mumber of Poles 2 Number of Poles 2 Number of Protected 2 Poles 2 Fault Indication Blue flag on window Operatority Characteristic Instantaneous Operatority Characteristic Instantan	Rated Current (I _n)	25 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 kg Reted Frequency (f) 50 Hz Reted Frequency (f) 50 Hz Power Supply Connection A thirary 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 Righting Contact Tightening Torque 4 Nm Accessory Type Audiliary contact Earthing Switch Type Undelayed Mounting Type Undelayed Mounting Type Undelayed Mounting Type Undela	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 Reted Frequency (f) 50 Hz Power Loss 6.20 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 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 Din-Reail Mounting Position Any Accessories Available Yes <td></td> <td>6 kA</td>		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 6.20 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 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 Batterie	Circuit Breaking Capacity	10 kA		
Leakage Current Type A Frequency (f) 50 Hz Rated Frequency (g) 50 Hz Power Loss 6.20 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 Right Terminals 1 klm 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 3 mm² Cable Size 3 mm² Cable Size 3 mm² Connecting Capacity	Circuit Breaking Capacity	6 kA		
Frequency (f) 50 Hz Rated Frequency (f) 50 Hz Power Loss 6.20 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 Right Left Terminals Right Left Left Tightening Torque 4 N·m Accessory Type Auxiliary contact Signal contact / auxiliary contact Signal contact / auxiliary contact Bundleyed Mounting Type Mounting Type DIN-Rail Mounting Position Any Accessories Available Yes Number of Batteries 0 Cable Size 35 mm² Connecting Capacity <td>Maximum Surge Current</td> <td>0.25 kA</td>	Maximum Surge Current	0.25 kA		
Rated Frequency (f) 50 Hz Power Loss 6.20 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 Paul Indication Sault 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 Flexible 125 mm² Rigid Solid 135 mm² 4 - Multi-Wirled 125 mm² <br< td=""><td>Leakage Current Type</td><td>Α</td></br<>	Leakage Current Type	Α		
Power Loss 6.20 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 Rigid Solid 135 mm² A - Multi-Wired 125 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 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 110 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	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 Teghtening Torque 4 Nrm 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 Bushar 1010 mm² Rigid Solid 135 mm² Rigid Solid 135 mm² Relad Cross-Section 1 . Solid-Core 135 mm² Rigid Solid 135 mm² 1 . Solid-Core 135 mm² Auxiliary contact 225 mm² Connecting Capacity 35 mm² Connecting Capacity 35 mm²	Power Loss	6.20 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		
Rated Cross-Section 1 - Solid-Core 1 35 mm² 4 - Multi-Wired 1 25 mm²	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 -KL	1	piece

Categories

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





