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PRODUCT-DETAILS

# F202 AC-100/0.3 IEC

# Residual Current Circuit Breaker - 2P - Type AC - 300 mA - 100 A



General Information	
Extended Product Type	F202 AC-100/0.3 IEC
Product ID	2CSF202005R3900
EAN	8012542936404
Catalog Description	Residual Current Circuit Breaker - 2P - Type AC - 300 mA - 100 A
Long Description	The RCCBs F200 series assures protection to people and installations against fault current to earth. This product is manufactured according to international IEC standards, for the markets where it is required.

ABB EcoSolutions	
ABB EcoSolutions	Yes
EcoSolutions Profile	9AKK108469A3794
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 52.5 %
ABB Site Meeting Group Waste To Landfill Target	No non-hazardous waste is sent to a landfill
Sustainable Material Content in Packaging (wt. %)	Recycled Paper - 78 %

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Extended Product Lifetime	Product Durability
End Of Life Disassembling Instructions	9AKK108468A4361
Environmental Product Declaration - EPD	9AKK108467A3700

Rated Voltage (Ur)         230°           Rated Doprational (Ordination Voltage (Ur))         320°           Rated Insulation Voltage (Ur)         500°           Test Voltage (Ut)         110-254°           Rated Inpulse         4 k           Withstand Voltage (Uimp )         1           Input Voltage Type         A           Rated Current (In)         100°           Rated Current (Inc)         10 k           Rated Conditional Short-circuit Current (Inc)         300 m           Rated Exessional Current (Inc)         0.25 k           Leakage Current Type         A           Leakage Current Type         A           Rated Frequency (f)         50/60 H           Power Loss         at Rated Operating Conditions per Pole 6.5 v           Rated Frequency (f)         50/60 H           Power Supply         Arbitrar Connection           Electrical Endurance         1000 cycl           Number of Modular Spacings per DIN Rail         2           Operating Characteristic         Instantaneou           Tightening Torque         2.8 Nr           Accessory Type         Alaxillary contact Auxillary contact Auxillary contact Auxillary contact Sunt trip. Undervoltage releas Overvoltage releas Overvoltage releas Overvoltage releas Overvoltage releas Overvoltage releas Overvoltage	Technical		
Rated Operational 230' Voltage (Un) 500' (Un)	Type of Residual Current	Type A0	
Notage   N	Rated Voltage (U <sub>r</sub> )	230 \	
(Ju)         110-254'           Rated Impulse         4 k           Withstand Voltage (Uimp)         4 k           Input Voltage Type         Ar           Rated Current (In)         100.           Rated Conditional Short-Circuit Current (Inc)         10 k           Maximum Surge Current         0.25 k           Leakage Current Type         Ar           Frequency (f)         5060 H           Rated Frequency (f)         5060 H           Power Loss         at Rated Operating Conditions per Pole 6.5 v           Power Supply         Arbitrar           Connection         2           Electrical Endurance         1000 cycl           Number of Poles         2           Number of Modular         2           Spacings per DIN Rail         Instantaneou           Operating Characteristic         Instantaneou           Inglitating Torque         2.8 Nr           Accessory Type         Auxiliary/Signal contact           Motor Operating Device of Poles         2.8 Nr           Motor Operating Device         2.8 Nr           Accessory Type         Fallsafe Bi-directional Cylinder-lift Termina Cylinder-lift Termina Cylinder-lift Termina Cylinder-lift Termina Cylinder-lift Termina Cylinder-lift Termina Fallsafe Bi-directional Cylinder-lif	Rated Operational Voltage	230 \	
Rated Impulse Withstand Voltage (Ump ) Input Voltage Type Acted Current (In,) Rated Current (In,n) Rated Conditional Short- Circuit Current (In,n) Rated Conditional Short- Circuit Current (In,n) Rated Conditional Short- Circuit Current (In,n) Rated Residual Current Rated Conditional Short- Circuit Current (In,n) Rated Frequency (f) So S	Rated Insulation Voltage (U <sub>i</sub> )	500 \	
Withstand Voltage (Ump ) Input Voltage Type Rated Current (In) Rated Residual Current Rated Conditional Short- Circuit Current (Inc)  Maximum Surge Current Reshage Current Type Rated Condition Stope Reshage Current Type Rated Condition Stope Reshage Current Type Rated Condition Stope Reshage Current Type Rated Response Stope Reshage Current Type Rated Frequency (f) So S	Test Voltage (Ut)	110-254 \	
Rated Current (In) Rated Residual Current Rated Conditional Short- Circuit Current (Inc)  Maximum Surge Current Leakage Current Type All Frequency (f) Rated Frequency (f) Rated Frequency (f) Rated Frequency (f) Rower Supply Ro	Rated Impulse Withstand Voltage (U <sub>imp</sub> )	4 k\	
Rated Residual Current Rated Conditional Short- Circuit Current (Inc)  Maximum Surge Current Leakage Current Type Auximum Surge Current Leakage Current Type Auximum Surge Current Power Loss At Rated Operating Conditions per Pole 6.5 % Power Supply Connection Electrical Endurance Number of Poles Auximum Surge Dil Rail Operating Characteristic Instantaneou Tightening Torque Accessory Type Auxiliary Contact Auxiliary Contact Auxiliary Contact Shunt tri Undervoltage releas Overwoltage re	Input Voltage Type	AC	
Rated Conditional Short- Circuit Current (Inc)  Maximum Surge Current  Leakage Current Type  Rated Frequency (f)  Rated Frequency (f)  Rated Frequency (f)  Rower Supply  Connection  Electrical Endurance  Number of Poles  Number of Modular  Spacings per DIN Rail  Operating Characteristic  Tightening Torque  Accessory Type  Mounting Type  Mounting Type  Screw Terminal Type  Screw Terminal Type  Failsafe Bi-directional Cylinder-lift Termina  Screw Terminal Type  Failsafe Bi-directional Cylinder-lift Termina  Cage Termina  Failsafe Bi-directional Cylinder-lift Termina  Cage Termi	Rated Current (I <sub>n</sub> )	100 A	
Circuit Current (Inc)  Maximum Surge Current  Leakage Current Type  Rated Frequency (f)  Rated Frequency (f)  Rated Frequency (f)  Rower Loss  Tenguency Supply  Connection  Electrical Endurance  Number of Poles  Number of Poles  Number of Modular Spacings per DIN Rail  Operating Characteristic  Tightening Torque  Accessory Type  Accessory Type  Mounting Type  Mounting Type  Screw Terminal Type  Screw Terminal Type  Screw Terminal Type  Connection  Politions Provided  Non  Mounting Position  An  Anccessories Available  Connecting Capacity  Busbar 10 mm  Rigid 35 35 mm  Rated Cross-Section  4 - Multi-Wired 0 35 mm  Rated Cross-Section  4 - Multi-Wired 0 35 mm  Rated Cross-Section	Rated Residual Current	300 mA	
Leakage Current Type Frequency (f) So/60 H Rated Frequency (f) So/60 H Rated Frequency (f) So/60 H Rated Frequency (f) Sower Supply Connection Electrical Endurance Electrical Endurance Number of Modular Spacings per DIN Rail Operating Characteristic Instantaneou Tightening Torque Accessory Type Accessory Type Accessory Type Accessory Type Accessory Type Sorew Terminal Type Failsafe Bi-directional Cylinder-lift Termina Cage Termina Cage Termina Cage	Rated Conditional Short- Circuit Current (I <sub>nc</sub> )	10 kA	
Frequency (f) 50/60 H Rated Frequency (f) 50 60 H Rated Frequency (f) 50 60 H Power Loss at Rated Operating Conditions per Pole 6.5 V Power Supply Arbitrar Connection 1000 cycl Rumber of Poles 2 2 Rumber of Poles 2 2 Rumber of Modular Spacings per DIN Rail Operating Characteristic Instantaneou Tightening Torque 2.8 N-r Accessory Type Auxiliary/Signal contac Shunt tri Undervoltage releas Motor Operating Device Bottom fitting auxiliary contac Shunt tri Undervoltage releas Motor Operating Device Bottom fitting auxiliary contac Auxiliary/Signal contac Shunt tri Undervoltage releas Failsafe Bi-directional Cylinder-lift Termina Failsafe Bi-directional Cylind	Maximum Surge Current	0.25 kA	
Rated Frequency (f) 50 60 H Power Loss at Rated Operating Conditions per Pole 6.5 N Power Supply Arbitrar Connection 1000 cycl Number of Poles 2 Number of Poles 2 Number of Modular Spacings per DIN Rail Operating Characteristic Instantaneou Tightening Torque 2.8 N-r Accessory Type Auxiliary Contact Shunt tri Undervoltage releas Overvoltage releas Overvoltage releas Overvoltage releas Overvoltage releas Failsafe Bi-directional Cylinder-lift Termina Cage Terminal Failsafe Biconnect Fork Top/Botton Failsafe Biconnect Fork Top/Botton Failsafe Biconnect Fork Top/Botton Failsafe Biconnect Fork Top/Botton Failsafe Screet Connecting Capacity Busbar 10 mm Rigid 35 35 mm Flexible 35 35 mm	Leakage Current Type	AC	
Power Loss at Rated Operating Conditions per Pole 6.5 V Power Supply Arbitrar Connection	Frequency (f)	50/60 Hz	
Power Supply Connection  Electrical Endurance Electrical Endurance Number of Poles 2 Number of Modular Spacings per DIN Rail  Operating Characteristic Instantaneou Tightening Torque 2.8 N-r Accessory Type Auxiliary Contact Auxiliary Contact Shunt tri Undervoltage releas Overvoltage releas Overvoltage releas Overvoltage releas Failsafe Bi-directional Cylinder-lift Termine Cage Terminal Failsafe Bi-directional Cylinder-lift	Rated Frequency (f)	50 60 Hz	
Connection  Electrical Endurance 1000 cycl Number of Poles 2 Number of Modular Spacings per DIN Rail  Operating Characteristic Instantaneou Tightening Torque 2.8 N-r Accessory Type Auxiliary Contact Auxiliary / Signal contact Shunt tri Undervoltage releas Overvoltage releas Overvoltage releas Overvoltage releas Failsafe Bi-directional Cylinder-lift Termina Cage Terminal Failsafe Bi-directional Cylinder-lift Termina Cage Terminal Failsafe Bi-connect Fork Top/Bottor Failsafe Biconnect Fork Bottor Failsafe Screw Terminal Type Options Provided Non Mounting Position An Accessories Available Ye Connecting Capacity Busbar 10 mm Rigid 35 35 mm Rigid 35 35 mm Rated Cross-Section 4 - Multi-Wired 0 35 mm	Power Loss	at Rated Operating Conditions per Pole 6.5 W	
Number of Poles 2 Number of Modular Spacings per DIN Rail Operating Characteristic Instantaneou Tightening Torque 2.8 N-r Accessory Type Auxiliary Contac Auxiliary/Signal contac Shutt tri Undervoltage releas Overvoltage re	Power Supply Connection	Arbitrary	
Number of Modular Spacings per DIN Rail Operating Characteristic Instantaneou Tightening Torque 2.8 N-r Accessory Type Auxiliary contac Auxiliary Contac Shunt tri Undervoltage releas Overvoltage releas O	Electrical Endurance	1000 cycle	
Spacings per DIN Rail  Operating Characteristic Instantaneou Tightening Torque 2.8 N-r  Accessory Type Auxiliary contac	Number of Poles	2F	
Tightening Torque  Accessory Type  Auxiliary contact Auxiliary/Signal contact Shunt tri Undervoltage releas Overvoltage releas Motor Operating Devic Bottom fitting auxiliary contact Autoreclosing Uni Mounting Type  DIN-Ra  Screw Terminal Type  Failsafe Bi-directional Cylinder-lift Termina Cage Termina Failsafe Biconnect Fork Top/Botton Failsafe Biconnect Fork Top/Botton Failsafe Biconnect Fork Botton Options Provided  Non Mounting Position  An Accessories Available  Connecting Capacity  Busbar 10 mm Rigid 35 35 mm Rigid 35 35 mm Flexible 35 35 mm Rated Cross-Section  4 - Multi-Wired 035 mm	Number of Modular Spacings per DIN Rail	2	
Accessory Type  Auxiliary contact Auxiliary/Signal contact Shunt tri Undervoltage releas Overvoltage releas Motor Operating Devic Bottom fitting auxiliary contact Autoreclosing Uni Mounting Type  DIN-Ra Screw Terminal Type Failsafe Bi-directional Cylinder-lift Termina Cage Terminal Failsafe Biconnect Fork Top/Botton Failsafe Biconnect Fork Top/Botton Failsafe Biconnect Fork Stottor Options Provided  Non Mounting Position An Accessories Available Connecting Capacity Busbar 10 mm Rigid 35 35 mm Flexible 35 35 mm Flexible 35 35 mm Rated Cross-Section  4 - Multi-Wired 0 35 mm	Operating Characteristic	Instantaneous	
Auxiliary/Signal contact Shunt trip Undervoltage releas Overvoltage releas Autore Operating Device Bottom fitting auxiliary contact Autoreclosing Uni Mounting Type DIN-Ra Screw Terminal Type Failsafe Bi-directional Cylinder-lift Termina Cage Terminal Failsafe Biconnect Fork Top/Bottom Failsafe Biconnect Fork Top/Bottom Failsafe Biconnect Fork Bottom Options Provided Non Mounting Position An Accessories Available Ye Connecting Capacity Busbar 10 mm Rigid 35 35 mm Flexible 35 35 mm Rated Cross-Section 4 - Multi-Wired 0 35 mm	Tightening Torque	2.8 N·m	
Screw Terminal Type  Failsafe Bi-directional Cylinder-lift Termina Cage Termina Failsafe Biconnect Fork Top/Bottor Failsafe Biconnect Fork Bottor  Options Provided  Non Mounting Position  Accessories Available  Connecting Capacity  Busbar 10 mm Rigid 35 35 mm Flexible 35 35 mm  Rated Cross-Section  Failsafe Bi-directional Cylinder-lift Termina Cage Termina Failsafe Bi-directional Cylinder-lift Termina Failsafe Bi-directional Cylinder-lift Termina Cage Termina Failsafe Bi-directional Cylinder-lift Termina Failsafe Bi-connect Fork Top/Botton Failsafe Bi-connect Fork Botton Failsafe Bi-connect Fork B	Accessory Type	Auxiliary contact Auxiliary/Signal contact Shunt trip Undervoltage release Overvoltage release Motor Operating Device Bottom fitting auxiliary contact Autoreclosing Unit	
Cage Termina Failsafe Biconnect Fork Top/Botton Failsafe Biconnect Fork Botton Options Provided  Non Mounting Position Accessories Available Connecting Capacity Busbar 10 mm Rigid 35 35 mm Flexible 35 35 mm	Mounting Type	DIN-Rai	
Mounting Position Accessories Available Connecting Capacity Busbar 10 mm Rigid 35 35 mm Flexible 35 35 mm Rated Cross-Section 4 - Multi-Wired 035 mm	Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Termina Cage Termina Failsafe Biconnect Fork Top/Bottom Failsafe Biconnect Fork Bottom	
Accessories Available  Connecting Capacity  Busbar 10 mm Rigid 35 35 mm Flexible 35 35 mm  Rated Cross-Section  4 - Multi-Wired 035 mm	Options Provided	None	
Connecting Capacity  Busbar 10 mm Rigid 35 35 mm Flexible 35 35 mm  Rated Cross-Section  4 - Multi-Wired 035 mm	Mounting Position	Any	
Rigid 35 35 mm Flexible 35 35 mm Rated Cross-Section 4 - Multi-Wired 035 mm	Accessories Available	Yes	
	Connecting Capacity	Busbar 10 mm Rigid 35 35 mm Flexible 35 35 mm	
	Rated Cross-Section	4 - Multi-Wired 035 mm <sup>2</sup> 1 - Solid-Core 3535 mm <sup>2</sup>	

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Wire Stripping Length Top 12.7 mm
Bottom 14.9 mm
Terminal Type Screw Terminals

Material Compliance	
RoHS Information	9AKK106713A5602
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20211115
REACH Declaration	9AKK108467A9482
REACH Information	True - contains substances > 0.1 mass percentage
REACH Date	20240429
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer

Environmental	
Ambient Air	Operation -25 55 °C
Temperature	Storage -40 70 °C
Degree of Protection	Terminals IP20 Housing IP40
Pollution Degree	2
Resistance to Vibrations	20 Cycles with Load 0.8 In: 1g or 1mm 5 150 5 Hz
Resistance to Shock acc.	25g 2 shocks 13 ms
to IEC 60068-2-27	
Environmental	Refer to RoHS
Information	

Technical UL/CSA	
Maximum Operating	277 V AC
Voltage UL/CSA	

Dimensions	
Width in Number of Modular Spacings	2
Product Net Width	35 mm
Product Net Height	85 mm
Product Net Depth / Length	69 mm
Product Net Weight	200 g
Built-In Depth (t <sub>2</sub> )	69 mm

Ordering	
Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.235 kg

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# **Certificates and Declarations**

Declaration of 9AKK106713A5602 Conformity - CE

#### Installation

Instructions and 9AKK107991A6127
Manuals

### **Popular Downloads**

Data Sheet, Technical 9AKK107991A8329
Information

#### **External Classifications and Standards**

ETIM 8	EC000003 - Residual current circuit breaker (RCCB)	
ETIM 9	EC000003 - Residual current circuit breaker (RCCB	
eClass	V11.0 : 27142201	
IDEA Granular Category Code (IGCC)	4875 >> Residual current circuit breaker (RCCB)	
Object Classification Code	F	
Standards	IEC 61008	

#### **Accessories**

Identifier	Description	Туре	Quantity	Unit Of Measure
2CDS200912R0001	Auxiliary Contact	S2C-H6R	2	piece
2CDS200922R0001	Signal/Auxiliary Contact	S2C-S/H6R	2	piece
2CDS200946R0001	Auxiliary Contact	S2C-H6-11R	1	piece
2CDS200946R0003	Auxiliary Contact	S2C-H6-02R	1	piece
2CDS200946R0002	Auxiliary Contact	S2C-H6-20R	1	piece
2CSS200911R0005	Undervoltage Release	S2C-UA 230 AC	1	piece
2CSS200911R0007	Undervoltage Release	S2C-UA 24 DC	1	piece
2CSS200911R0002	Undervoltage Release	S2C-UA 24 AC	1	piece
2CSS200911R0008	Undervoltage Release	S2C-UA 48 DC	1	piece
2CSS200911R0004	Undervoltage ReleaseS	2C-UA 110 AC	1	piece
2CSS200911R0006	Undervoltage Release	S2C-UA 400 AC	1	piece
2CSS200911R0001	Undervoltage Release	S2C-UA 12 DC	1	piece
2CSS200911R0010	Undervoltage Release	S2C-UA 230 DC	1	piece
2CSS200911R0009	Undervoltage ReleaseS	2C-UA 110 DC	1	piece
2CSS200911R0003	Undervoltage Release	S2C-UA 48 AC	1	piece
2CSS200910R0005	Overvoltage Release	S2C-OVP1	1	piece
2CSS200993R0005	Overvoltage Release	S2C-OVP2	1	piece
2CSF201998R0034	Autoreclosing unit	F3C-AR24	1	piece
2CSF202998R0034	Autoreclosing unit	F3C-AR230	1	piece
2CSS201998R0033	Motor Operating Device	S3C-MOD24	1	piece
2CSS202998R0033	Motor Operating Device	S3C-MOD230	1	piece

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# Categories

 $Low\ Voltage\ Products\ \rightarrow\ Modular\ DIN\ Rail\ Products\ \rightarrow\ Residual\ Current\ Devices\ RCDs\ \rightarrow\ Residual\ Current\ Devices\ RCDs$ 



