

PRODUCT-DETAILS

F204 AC-80/0.03

Residual Current Circuit Breaker 4P Type AC 30 mA



General Information	
Extended Product Type	F204 AC-80/0.03
Product ID	2CSF204001R1800
EAN	8012542916604
Catalog Description	Residual Current Circuit Breaker 4P Type AC 30 mA
Long Description	The RCCBs F200 series assures protection to people and installations against fault current to earth. A large offer for standard instantaneous and selective AC and A types is completed with some configurations for special applications.

ABB EcoSolutions	
ABB EcoSolutions	Yes
EcoSolutions Profile	9AKK108469A3794
Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 52.5 %
Group Waste to Landfill Target	No non-hazardous waste is sent to a landfill
Sustainable Material Content in Packaging	Recycled Paper - 78 %

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2024/11/07

Subject to change without notice

Offered with Extended Lifetime	Product Durability
End of Life Instructions	9AKK108468A4361
Environmental Product Declaration - EPD	9AKK108467A3700

Type of Residual CurrentType ACType of Residual CurrentType ACRated Voltage (U)230 / 400 VACRated Insulation Voltage230 / 400 VAC(U)170-254 VTest Voltage (U1)170-254 VRated Insulation Voltage (U1)170-254 VInput Set Voltage (U1)170-254 VRated Insulation Voltage (U1)170-254 VInput Voltage TypeACRated Current (In,)800 ARated Current (In,)800 ARated Current (In,)005 ARated Current (In,)005 ARated Current (In,)50 / 60 HzRated Current (In,)50 / 60 HzRated Current (In,)50 / 60 HzRated Current (In,)10 kACurrent (In,)50 / 60 HzRated Current (In,)50 / 60 HzRated Current (In,)10 kACurrent (In,)50 / 60 HzRated Current (In,)50 / 60 HzRated Frequency (f)50 / 60 HzSeadage Current (In,)10000 cycleNumber of Modular4Spacings per DIN Rail10000 cycleSunder of Poles44 HXNumber of Modular4Spacings per DIN RailRightOperating Context sticInstantaneouSpacings per DIN RailAuxiliary contactOptions ProvidedNoneMounting PositionAnyAccessories AvailableYeConnecting CapacityRight 335 mmRigid 3535 mm150 miRigid 3535 mm15	Technical	
Type of Residual Current Type AC Rated Voltage (U,) 230/400 VAC Rated Operational 230 / 400 VAC Voltage 500 VAC Rated Insulation Voltage (U) 110-254 VAC Rated Insulation Voltage (U) 10-254 VAC Rated Insulation Voltage (U) 30 mA Rated Current (In,) 80 A Rated Residual Current (In,) 30 mA Rated Residual Current (In,) 0.25 kA Rated Prequency (f) 50 - 60 HA Rated Prequency (f) 50 - 60 HA Power Loss at Rated Operating Conditions per Pole 5.3 W Power Loss at Rated Operating Conditions per Pole 5.3 W Number of Modular 4 Spacings per DIN Rall 0000 cycle Number of Poles Auditary contac Number of Poles Auditary contac Number of Poles Auditary contac Operating Characteristic </th <th>Standards</th> <th></th>	Standards	
Rated Voltage (U ₁) 230/400 \ Rated Deprational 200 / 400 VAC Voltage Rated Insulation Voltage (U ₁) 170-254 \ Rated Inpulse Withstand Voltage (U ₁) 170-254 \ Rated Inpulse Withstand Voltage (U ₁) 4 kv Withstand Voltage (U ₁) 700 - 700		UL 1053
Rated Operational 230 / 400 V AC Voltage 500 V Rated Insulation Voltage (U) 170-254 V Test Voltage (U) 170-254 V Atted Insulation Voltage (Ump) 4 kV Input Voltage Type AC Rated Current (In,) 80 A Rated Residual Current 30 nm Rated Conditional Short- 10 k2 Circuit Current (Inc) 025 kA Maximum Surge Current 0.25 kA Leakage Current Type AC Prequency (f) 50 (FO Hz Power Loss at Rated Operating Conditions per Pole 5.3 W Power Loss 10000 cycle Number of Modular 44 Number of Modular 44 Spacings per DIN Rall Operating Characteristic Operating Characteristic Instantaneous Power Loss Auxiliary contact Spacing Sper DIN Rall Operating Characteristic Post Conscript Accessory Type Auxiliary contact Options Provided None Mounting Type DIN-Rai Options Provided None Mounting Type D	Type of Residual Current	Туре АС
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Circuit Current (Inc) Maximum Surge Current Leakage Current Type Crequency (f) Rated Frequency (f) Conection Power Loss at Rated Operating Conditions per Pole 5.3 W Power Supply Connection Electrical Endurance Number of Poles Number of Poles Number of Poles Number of Modular Spacings per DIN Rail Operating Characteristic Position of Neutral Tightening Torque Accessory Type Mounting Type Mounting Type Mounting Position Mounting Position Ming Stripping Length Ming Stripping Length Ming Stripping Length	Rated Residual Current	30 mA
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Number of Modular 4 Spacings per DIN Rail Operating Characteristic Instantaneous Position of Neutral Right Terminals Tightening Torque 2.8 N-m Accessory Type Auxiliary contact Signal / auxiliary contact Signal / auxiliary contact Shunt trip Auto re-closing units Motor operating device Overvoltage release Undervoltage release Undervoltage release Undervoltage release Undervoltage release Source available Pistion Any Accessories Available Yes Connecting Capacity Busbar 10 mm ² Rigid 35 35 mm ² Rated Cross-Section 4 - Multi-Wired 035 mm ² Nire Stripping Length Top 12.7 mm	Electrical Endurance	10000 cycle
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Connecting Capacity Busbar 10 mm ² Rigid 35 35 mm ² Flexible 35 35 mm ² Rated Cross-Section 4 - Multi-Wired 035 mm ² 1 - Solid-Core 3535 mm ² Wire Stripping Length Top 12.7 mm	Mounting Position	Any
Rigid 35 35 mm ² Flexible 35 35 mm ² Rated Cross-Section 4 - Multi-Wired 035 mm ² 1 - Solid-Core 3535 mm ² Wire Stripping Length Top 12.7 mm	Accessories Available	Yes
Rated Cross-Section 4 - Multi-Wired 035 mm² 1 - Solid-Core 3535 mm² Wire Stripping Length Top 12.7 mm	Connecting Capacity	Rigid 35 35 mm²
	Rated Cross-Section	4 - Multi-Wired 035 mm²
	Wire Stripping Length	Top 12.7 mm Bottom 14.9 mm

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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

Environmental	
Ambient Air Temperature	Operation -25 55 °C Storage -40 70 °C
Degree of Protection	IP2X
Pollution Degree	2
Resistance to Vibrations	20 Cycles with Load 0.8 In: 1g or 1mm 50 150 5 Hz
Resistance to Shock acc. to IEC 60068-2-27	25g 2 shocks 13 ms
Environmental Information	Refer to RoHS

Technical UL/CSA	
Maximum Operating Voltage UL/CSA	480Y / 277 V AC
Short-Circuit Current Rating (SCCR)	30 mA

Dimensions

Width in Number of Modular Spacings	4
Product Net Width	70 mm
Product Net Height	85 mm
Product Net Depth / Length	69 mm
Product Net Weight	380 g
Built-In Depth (t ₂)	69 mm

Ordering	
Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.415 kg

Certificates and Declarations		
Declaration of		9AKK106713A5602
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Conformity - CE

Installation	
Instructions and	9AKK107991A6127
Manuals	

Popular Downloads

Data Sheet, Technical Information 9AKK107991A8329

Classifications			
ETIM 8	EC000003 - Residual current circuit breaker (RCCB		
ETIM 9	EC000003 - Residual current circuit breaker (RCCE		
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm		
WEEE B2C / B2B	Business To Consume		
CN8	85363030		
eClass	V11.0 : 2714220		
IDEA Granular Category Code (IGCC)	4875 >> Residual current circuit breaker (RCCB)		
Object Classification Code	F		

Accessories

Unit Of Measure	Type Quantity		Description	Identifier
piece	H6R 2 pie	S2C-H6R	Auxiliary Contact	2CDS200912R0001
piece	2	S2C-S/H6R	Signal / Auxiliary Contact	2CDS200922R0001
piece	1	S2C-H6-11R	Auxiliary Contact	2CDS200946R0001
piece	1	S2C-H6-02R	Auxiliary Contact	2CDS200946R0003
piece	1	S2C-H6-20R	Auxiliary Contact	2CDS200946R0002
piece	1	F2C-A1	Shunt trip	2CSS200933R0011
piece	1	F2C-A2	Shunt trip	2CSS200933R0012
piece	1	S2C-UA 230 AC	Undervoltage Release	2CSS200911R0005
piece	1	S2C-UA 24 DC	Undervoltage Release	2CSS200911R0007
piece	1	S2C-UA 24 AC	Undervoltage Release	2CSS200911R0002
piece	1	S2C-UA 48 DC	Undervoltage Release	2CSS200911R0008
piece	1	52C-UA 110 AC	Undervoltage Releases	2CSS200911R0004
piece	1	S2C-UA 400 AC	Undervoltage Release	2CSS200911R0006
piece	1	S2C-UA 12 DC	Undervoltage Release	2CSS200911R0001
piece	1	S2C-UA 230 DC	Undervoltage Release	2CSS200911R0010
piece	1	2C-UA 110 DC	Undervoltage ReleaseS	2CSS200911R0009
piece	1	S2C-UA 48 AC	Undervoltage Release	2CSS200911R0003
piece	1	S2C-OVP1	Overvoltage Release	2CSS200910R0005
piece	1	S2C-OVP2	Overvoltage Release	2CSS200993R0005
piece	1	F3C-AR24	Autoreclosing unit	2CSF201998R0034
piece	1	F3C-AR230	Autoreclosing unit	2CSF202998R0034
piece	1	S3C-MOD24	Motor Operating Device	2CSS201998R0033
piece	1	S3C-MOD230	Motor Operating Device	2CSS202998R0033

Categories

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









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