PRODUCT-DETAILS

F204 B-40/0.03

F204 B-40/0.03 Residual Current Circuit Breaker 4P B type 30 mA



General Information

Extended Product Type	F204 B-40/0.03
Product ID	2CSF204568R1400
EAN	8012542342052
Catalog Description	F204 B-40/0.03 Residual Current Circuit Breaker 4P B type 30 mA
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

Circular Value

Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 51,4 %
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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Improved Resource Efficiency for Customers	Digital Efficiency - Product is digitally-supported to optimize usage and eventually optimize customer asset
Offered with Extended Lifetime	Product Durability
Offered with Takeback Services	Take Back for Recycling
End of Life Instructions	9AKK108468A4363

Eco Transparency

Environmental Product Declaration - EPD	9AKK108467A3700

Technical

Standards	IEC/EN 61008
Type of Residual Current	B type
Rated Voltage (U_r)	230/400 V
Rated Operational Voltage	230 / 400 V AC
Rated Insulation Voltage (U_i)	440 V
Test Voltage (Ut)	170-253 V AC
Rated Impulse Withstand Voltage (U_{imp})	4 kV
Dielectric Test Voltage	2500 V
Input Voltage Type	AC
Rated Current (I_n)	40 A
Rated Residual Current	30 mA
Rated Residual Breaking Capacity (IΔm)	1 kA
Rated Conditional Short-Circuit Current (I_{nc})	(Typ gG/gLfuse, 500 V) 100 A Selective MCB S750-E 63A or S750DR-E/K 100 A
Impulse Current	I (max, 8 / 20 µs) 3000 A
Rated Frequency (f)	50 … 60 Hz
Power Loss	6.95 W
Electrical Endurance	10000 cycle
Mechanical Endurance	20000 cycle
Number of Poles	4
Number of Modular Spacings per DIN Rail	4
Operating Characteristic	Instantaneous (APR High Immunity)
Overvoltage Category	III
Position of Neutral Terminals	Right
Tightening Torque	2.8 N·m
Delay Time (T)	10 ms
Accessory Type	Auxiliary contact, Signal contact/auxiliary contact, Shunt trip, Undervoltage release, Overvoltage release, Motor operating device, Auto reclosing unit
Mounting Type	DIN-Rail
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Options Provided	None
Mounting Position	Any

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Accessories Available	Yes
Number of Batteries	0
Cable Size	25 mm²
Connecting Capacity	Busbar 10 mm² Flexible 1 ... 25 mm² Stranded 1 ... 25 mm²
Rated Cross-Section	1 - Solid-Core 1 ... 25 mm²
Wire Stripping Length	12 mm
Terminal Type	Screw Terminals

Material Compliance

RoHS Information	9AKK106713A5610
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20211115
REACH Declaration	9AKK108467A9482
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Environmental

Ambient Air Temperature	Operation -25 ... +70 °C
Degree of Protection	Housing IPX4 Terminals IP2X
Pollution Degree	3
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
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

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	0.38 kg
Built-In Depth (t_2)	69.5 mm

Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.415 kg
E-Number (Finland)	3214069
E-Number (Sweden)	2160157

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Certificates and Declarations

Declaration of Conformity - CE	9AKK106713A5610

Installation

Instructions and Manuals	9AKK107992A0195

Popular Downloads

Data Sheet, Technical Information	9AKK107991A7569

Classifications

ETIM 8	EC000003 - Residual current circuit breaker (RCCB)
ETIM 9	EC000003 - Residual current circuit breaker (RCCB)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer
CN8	85363030
eClass	V11.0 : 27142201
Object Classification Code	F

Accessories

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Identifier	Description	Type	Quantity	Unit Of Measure
2CDS200912R0001	S2C-H6R Auxiliary Contact	S2C-H6R	2	piece
2CDS200922R0001	S2C-S/H6R Signal / Auxiliary Contact	S2C-S/H6R	2	piece
2CDS200946R0001	S2C-H6-11R Auxiliary Contact	S2C-H6-11R	1	piece
2CDS200946R0003	S2C-H6-02R Auxiliary Contact	S2C-H6-02R	1	piece
2CDS200946R0002	S2C-H6-20R Auxiliary Contact	S2C-H6-20R	1	piece
2CSS200933R0011	F2C-A1 Shunt trip	F2C-A1	1	piece
2CSS200933R0012	F2C-A2 Shunt trip	F2C-A2	1	piece
2CSS200911R0005	S2C-UA 230 AC Undervoltage Release	S2C-UA 230 AC	1	piece
2CSS200911R0007	S2C-UA 24 DC Undervoltage Release	S2C-UA 24 DC	1	piece
2CSS200911R0002	S2C-UA 24 AC Undervoltage Release	S2C-UA 24 AC	1	piece
2CSS200911R0008	S2C-UA 48 DC Undervoltage Release	S2C-UA 48 DC	1	piece
2CSS200911R0004	S2C-UA 110 AC Undervoltage Release	S2C-UA 110 AC	1	piece
2CSS200911R0006	S2C-UA 400 AC Undervoltage Release	S2C-UA 400 AC	1	piece
2CSS200911R0001	S2C-UA 12 DC Undervoltage Release	S2C-UA 12 DC	1	piece
2CSS200911R0010	S2C-UA 230 DC Undervoltage Release	S2C-UA 230 DC	1	piece
2CSS200911R0009	S2C-UA 110 DC Undervoltage Release	S2C-UA 110 DC	1	piece
2CSS200911R0003	S2C-UA 48 AC Undervoltage Release	S2C-UA 48 AC	1	piece
2CSS200910R0005	S2C-OVP1 Overvoltage Release	S2C-OVP1	1	piece
2CSS200993R0005	S2C-OVP2 Overvoltage Release	S2C-OVP2	1	piece
2CSF200997R0013	F2C-CM Motor operating device	F2C-CM	1	piece
2CSF200996R0013	F2C-ARI Auto-reclosing unit	F2C-ARI	1	piece

Categories

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





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