



 PRODUCT-DETAILS

F204 B-40/0.03

Residual Current Circuit Breaker F200 - 4P - 30 mA - 40 A - Type B



General Information

Extended Product Type:	F204 B-40/0.03
Product ID:	2CSF204568R1400
EAN:	8012542342052
Catalog Description:	Residual Current Circuit Breaker F200 - 4P - 30 mA - 40 A - Type B
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. This product is particularly suitable for the protection against smooth d.c. earth fault currents.
Display Name:	F204 B-40/0.03

ABB EcoSolutions

ABB EcoSolutions:	Yes
EcoSolutions Profile:	9AKK108469A3795
Recyclability Rate of the Product acc. to EN45555:	Design for Closing Resource Loops - Standard EN45555 - 77.05 %

ABB Site Meeting Group Waste To Landfill Target: No non-hazardous waste is sent to a landfill
UL 2799 Zero Waste To Landfill Validation available

Sustainable Material Content in Packaging (wt. %): Recycled Cardboard - 29.08 %
Recycled Cardboard - 61.23 %
Recycled Cardboard - 2.66 %
Recycled Paper - 0 %
Recycled Paper - 0 %

Extended Product Lifetime: Product Durability

Offered with Takeback Services: Take Back for Recycling

End Of Life Disassembling Instructions: 9AKK108470A1744

Environmental Product Declaration - EPD: 9AKK108468A5757

Technical

Type of Residual Current:	Type B
Test Voltage (Ut):	170 ... 253 V
Dielectric Test Voltage:	2500 kV
Impulse Current:	I (max, 8 / 20 µs) 3000 A
Maximum Surge Current:	3 kA
Leakage Current Type:	B
Electrical Endurance:	10000 cycle
Mechanical Endurance:	20000 cycle
Number of Poles:	4P
Number of Modular Spacings per DIN Rail:	4
Operating Characteristic:	10ms Delay (High Immunity)
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
Actuator Type:	Toggle
Housing Type:	Insulation group I - II, RAL 7035
Screw Terminal Type:	Failsafe Bi-directional Cylinder-lift Terminal
Actuator Material:	Insulation Group II, Blue, Sealable
Options Provided:	None
Accessories Available:	Yes
Number of Batteries:	0
Cable Size:	25 mm ²
Connecting Capacity:	Busbar 10 mm ² Flexible 1 ... 25 mm ² Stranded 1 ... 25 mm ²
Rated Cross-Section:	1 - Solid-Core 1 ... 25 mm ²

Wire Stripping Length:	12 mm
Terminal Type:	Screw Terminals

Electrical

Rated Voltage (U_r):	230/400 V
Rated Operational Voltage:	230 ... 400 V AC
Rated Insulation Voltage (U_i):	440 V
Rated Impulse Withstand Voltage (U_{imp}):	4 kV
Input Voltage Type:	AC
Rated Current (I_n):	40 A
Rated Residual Current:	30 mA
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
Frequency (f):	50/60 Hz
Rated Frequency (f):	50 ... 60 Hz
Power Loss:	at Rated Operating Conditions per Pole 1.92 W Total 6.96 W
Overvoltage Category:	III

Design

RAL Number:	RAL 7035 - Light Grey
Number of Modules:	4

Material Compliance

RoHS Declaration:	9AKK106713A5610
RoHS Information:	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
SCIP:	10b8311e-47e3-4a9c-bc31-a2d09986d074 Italy
WEEE Category:	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B:	Business To Consumer

Environmental

Ambient Air Temperature:	Operation -25...+65 °C Storage -40...+70 °C
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Degree of Protection:	Terminals IP20 Housing IP40
Pollution Degree:	2
Environmental Conditions:	28 cycle with 55 °C / 90-96 % and 25 °C / 95-100 %
Resistance to Vibrations:	20 Cycles with Load 0.8 In: 1g or 0.1mm 5...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:	380 g
Built-In Depth (t₂):	69 mm
Dimension Diagram:	9AKK106354A0759

Ordering

Package Level 1 Units:	box 1 piece
Package Level 1 Gross Weight:	0.415 kg
E-Number (Finland):	3214069
E-Number (Norway):	1672371
E-Number (Sweden):	2160157
Replaced Product ID (OLD):	2CSF204592R1400

Certificates and Declarations

Declaration of Conformity - CE:	9AKK106713A5610
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Installation

Instructions and Manuals:	9AKK107992A0195
Mounting Type:	DIN-Rail
Mounting Position:	Any

Popular Downloads

Data Sheet, Technical Information:	9AKK107991A7569
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External Classifications and Standards

ETIM 9:	EC000003 - Residual current circuit breaker (RCCB)
ETIM 10:	EC000003 - Residual current circuit breaker (RCCB)
UNSPSC:	39121601
eClass:	V11.0 : 27142201
IDEA Granular Category Code (IGCC):	4875 >> Residual current circuit breaker (RCCB)
Object Classification Code:	F
Standards:	IEC/EN 61008-1, IEC/EN 61008-2-1, IEC/EN 62423

Accessories

Identifier	Description	Type	Qty	Unit Of Measure
2CDS200912R0001	S2C-H6R Auxiliary Contact 1CO	S2C-H6R	2	piece
2CDS200922R0001	S2C-S/H6R Universal Auxiliary/Signal Con	S2C-S/H6R	2	piece
2CDS200946R0001	S2C-H6-11R Auxiliary contact 1NO/1NC	S2C-H6-11R	1	piece
2CDS200946R0003	S2C-H6-02R Auxiliary contact 2NC	S2C-H6-02R	1	piece
2CDS200946R0002	S2C-H6-20R Auxiliary contact 2NO	S2C-H6-20R	1	piece
2CSS200933R0011	Shunt trip F2C-A	F2C-A1	1	piece
2CSS200933R0012	Shunt trip F2C-A	F2C-A2	1	piece
2CSS200910R0005	S2C-OVP1 Overvoltage release	S2C-OVP1	1	piece
2CSS200993R0005	S2C-OVP2 Overvoltage release	S2C-OVP2	1	piece
2CSF201998R0034	Monitoring unit with automatic reclosing F3C- AR - 4P	F3C-AR24	1	piece
2CSF202998R0034	Monitoring unit with automatic reclosing F3C- AR - 4P	F3C-AR230	1	piece
2CSS201998R0033	S3C-MOD24 Motor Operating Device	S3C-MOD24	1	piece
2CSS202998R0033	S3C-MOD230 Motor Operating Device	S3C-MOD230	1	piece

Categories

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

