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 PRODUCT-DETAILS

## S803S-K4

### S803S-K4 High Performance MCB




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**General Information**

Extended Product Type	S803S-K4
Product ID	2CCF019959R0001
EAN	7612271500252
Catalog Description	S803S-K4 High Performance MCB
Long Description	S803S-K4 3 Poles K Characteristic 4A 6 kA 400/690 VAC High Performance Circuit Breaker HPCB

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**ABB EcoSolutions**

ABB EcoSolutions	Yes
EcoSolutions Profile	9AKK108471A1082
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 86.29 %
ABB Site Meeting Group Waste To Landfill Target	No non-hazardous waste is sent to a landfill
End Of Life Disassembling Instructions	9AKK108470A2575
Environmental Product	9AKK108470A1695

Declaration - EPD

9AKK108470A1696

## Technical

Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ )	(415 V AC) 50 kA (440 V AC) 30 kA (500 V AC) 15 kA (690 V AC) 6 kA (375 V DC) 30 kA
Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )	(415 V AC) 40 kA (440 V AC) 22.5 kA (500 V AC) 11 kA (690 V AC) 4 kA (375 V DC) 30 kA
Contact Position Indication	ON / OFF / TRIP
Energy Limiting Class	3
Number of Protected Poles	3
Number of Poles	3P
Tightening Torque	3.5 N·m
Actuator Marking	I / O
Recommended Screw Driver	Pozidriv 2
Accessories Available	Yes
Remarks	Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw
Connecting Capacity	Flexible 0 ... 50 mm <sup>2</sup> Rigid 0 ... 70 mm <sup>2</sup>
Terminal Type	Screw Terminals

## Electrical

Tripping Characteristic	K
Rated Operational Voltage	acc. to IEC 60898-1 400 V AC acc. to IEC 60947-2 690 V AC
Rated Insulation Voltage ( $U_i$ )	acc. to IEC/EN 60664-1 690 V
Rated Impulse Withstand Voltage ( $U_{imp}$ )	8 kV
Input Voltage Type	AC/DC
Rated Current ( $I_n$ )	4 A
Rated Short-Circuit Capacity	(400 V AC) 25 kA
Rated Frequency (f)	50/60 Hz
Power Loss	6 W at Rated Operating Conditions per Pole 2 W
Overvoltage Category	IV

## Design

Housing Material	Insulation group I, RAL 7035
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## Technical UL/CSA

Interrupting Rating acc.  
to UL1077

(240 V AC) 30 kA  
(480V / 277 V AC) 14 kA  
(600V / 347 V AC) 6 kA

## Material Compliance

RoHS Declaration	2CCC005083D0202
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20211214
REACH Declaration	9AKK108470A9089
REACH Information	False - does not contain substances > 0.1 mass percentage
REACH Date	20250313
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business

## Environmental

Ambient Air Temperature	Operation -25 ... +60 °C Storage -40 ... +70 °C
Degree of Protection	IP20
Pollution Degree	3
Resistance to Vibrations	1 mm 7 - 13.2 Hz 0.7g with Load 100% x le 13.2 - 100 Hz
Environmental Information	2CCY413207D0203

## Dimensions

Width in Number of Modular Spacings	4.5
Product Net Width	81 mm
Product Net Height	95 mm
Product Net Depth / Length	82.5 mm
Product Net Weight	0.735 kg
Built-In Depth (t <sub>2</sub> )	82.5 mm

## Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	775 g
E-Number (Norway)	1628526

## Certificates and Declarations

CB Certificate	9AKK107680A0857
CCC Certificate	9AKK108469A3021
Declaration of Conformity - CE	2CCC005083D0202
DNV GL Certificate	2CCC413018D0201

ESTI Certificate	2CCC413020D0101
KC Certificate	9AKK107680A0932
LR Certificate	2CCC413017D0201
UL Certificate	9AKK107680A2286
VDE Certificate	2CCC413039D0601

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## Installation

Instructions and Manuals	2CCC413016M0008
Mounting on DIN Rail	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Mounting Position	Any

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## Popular Downloads

Data Sheet, Technical Information	9AKK108468A9560 9AKK108468A9561 9AKK108468A9562
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## External Classifications and Standards

ETIM 9	EC000042 - Miniature circuit breaker (MCB)
ETIM 10	EC000042 - Miniature circuit breaker (MCB)
UNSPSC	39121603
eClass	V11.0 : 27141901
Object Classification Code	F
Standards	IEC/EN 60947-2 IEC/EN 60898-1 UL 1077

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## Categories

Low Voltage Products and Systems → Modular DIN Rail Products → High Performance Circuit Breakers HPCBs → High Performance Circuit Breakers HPCBs

