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 PRODUCT-DETAILS

# S802S-UCK100

## S802S-UCK100 High Performance MCB




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**General Information**

Extended Product Type	S802S-UCK100
Product ID	2CCS862001R1637
EAN	7612271203542
Catalog Description	S802S-UCK100 High Performance MCB
Long Description	S802S-UCK100 High Performance Miniature Circuit Breaker 2 Poles K Characteristic 100A 50kA 250VDC

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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	9AKK108470A1695,9AKK108470A1696

## Declaration - EPD

**Technical**

Type of Residual Current	Standard Version
Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ )	(500 V DC) 50 kA
Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )	(500 V DC) 50 kA
Contact Position Indication	ON / OFF / TRIP
Energy Limiting Class	3
Number of Protected Poles	2
Number of Poles	2P
Release Type	K
Actuator Marking	I / O
Accessories Available	Yes
Connecting Capacity	Flexible 0 ... 50 mm <sup>2</sup> Rigid 0 ... 70 mm <sup>2</sup>
Terminal Type	Screw Terminals

**Electrical**

Tripping Characteristic	UC-K
Rated Operational Voltage	acc. to IEC 60947-2 500 V DC
Rated Insulation Voltage ( $U_i$ )	acc. to IEC/EN 60664-1 1500 V
Rated Impulse Withstand Voltage ( $U_{imp}$ )	8 kV
Input Voltage Type	DC
Rated Current ( $I_n$ )	100 A
Rated Conditional Short-Circuit Current ( $I_{nc}$ )	(230 V) 50 kA (400 V) 50 kA
Frequency (f)	50...60 Hz
Rated Frequency (f)	0 Hz
Power Loss	Total 16.6 W at Rated Operating Conditions per Pole 8.3 W
Overvoltage Category	III

**Material Compliance**

RoHS Declaration	2CCC005084D0202
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)

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## Environmental

Ambient Air Temperature	Operation -40 ... 70 °C Storage -40 ... 70 °C
Degree of Protection	IP20
Pollution Degree	2
Environmental Information	2CCY413207D0203

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## Dimensions

Width in Number of Modular Spacings	3
Product Net Width	54 mm
Product Net Height	95 mm
Product Net Depth / Length	82.5 mm
Product Net Weight	490 g
Built-In Depth (t <sub>2</sub> )	82.5 mm
Dimension Diagram	2CCC413003C0201

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## Engineering

EPLAN Data	9AAC172534_EPLAN
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## Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	510 g

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## Certificates and Declarations

CB Certificate	2CCC413025D0202
CCC Certificate	CQC2007010307251328
Declaration of Conformity - CE	2CCC005084D0202
ESTI Certificate	S800 GOST
VDE Certificate	2CCC413040D0601

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## Installation

Instructions and Manuals	2CCC413016M0008
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## Popular Downloads

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

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ETIM 9	EC000042 - Miniature circuit breaker (MCB)
ETIM 10	EC000042 - Miniature circuit breaker (MCB)
UNSPSC	39121603
eClass	V11.0 : 27141901
IDEA Granular Category Code (IGCC)	4899 >> Miniature circuit breaker (MCB) screw-in model
Object Classification Code	F
Standards	IEC/EN 60947-2

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**Categories**

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Low Voltage Products and Systems → Modular DIN Rail Products → High Performance Circuit Breakers HPCBs → High Performance Circuit Breakers HPCBs - S800



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