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 PRODUCT-DETAILS

## S803U-Z100

### S803U-Z100 High Performance MCB




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#### General Information

Extended Product Type	S803U-Z100
Product ID	2CCS863017R0825
EAN	7612271214944
Catalog Description	S803U-Z100 High Performance MCB
Long Description	S803U-Z100 3 Pole Z Characteristic 100A 50kA 240/415VAC 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	9AKK108470A1695,9AKK108470A1696

## Declaration - EPD

**Technical**

Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ )	(415 V AC) 50 kA
Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )	(415 V AC) 40 kA
Contact Position Indication	ON / OFF / TRIP
Energy Limiting Class	3
Number of Protected Poles	3
Number of Poles	3P
Release Type	Z
Actuator Marking	I / O
Accessories Available	Yes
Connecting Capacity	Flexible 0 ... 50 mm <sup>2</sup> Rigid 0 ... 70 mm <sup>2</sup>

**Electrical**

Short-Circuit Current Rating (SCCR)	(240 V AC) 50 kA
Tripping Characteristic	Z
Rated Operational Voltage	acc. to IEC 60947-2 415 V AC UL489 240 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
Rated Current ( $I_n$ )	100 A
Frequency (f)	50/60 Hz
Rated Frequency (f)	50/60 Hz
Power Loss	Total 8.3 W at Rated Operating Conditions per Pole 2.77 W
Overvoltage Category	III

**Technical UL/CSA**

Interrupting Rating acc. to UL489	(240 V AC) 50 kA
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**Material Compliance**

RoHS Declaration	2CCC005116D0201
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20250625
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	2
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	735 g
Built-In Depth (t <sub>2</sub> )	82.5 mm
Dimension Diagram	2CCC413003C0201

## Engineering

EPLAN Data	9AAF622564_EPLAN
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## Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	770 g

## Certificates and Declarations

Declaration of Conformity - CE	2CCC413009D0201
UL Certificate	9AKK107680A2289

## Installation

Instructions and Manuals	2CCC413015M0403
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## Popular Downloads

Data Sheet, Technical Information	9AKK108468A9560 9AKK108468A9561
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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	UL 489

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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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