

PRODUCT-DETAILS

# S803U-Z90

## S803U-Z90 High Performance MCB



### General Information

Extended Product Type	S803U-Z90
Product ID	2CCS863017R0905
EAN	7612271214906
Catalog Description	S803U-Z90 High Performance MCB
Long Description	S803U-Z90 3 Pole Z Characteristic 90A 50kA 240/415VAC High Performance Circuit Breaker HPCB

### Technical

Standards	IEC/EN 60947-2 UL 489 CSA C22.2 No.5
Number of Poles	3
Number of Protected Poles	3
Tripping Characteristic	Z
Rated Current ( $I_n$ )	90
Rated Operational Voltage	240 V AC
Power Loss	6.5 W at Rated Operating Conditions per Pole 2.17 W
Rated Insulation Voltage ( $U_i$ )	690 V
Rated Short-Circuit Capacity ( $I_{cn}$ )	(400 V) 40 kA (230 V) 40 kA
Rated Ultimate Short-	(415 V AC) 50 kA

Circuit Breaking Capacity ( $I_{cu}$ )	
Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )	(415 V AC) 40 kA
Energy Limiting Class	3
Overvoltage Category	III
Pollution Degree	2
Rated Impulse Withstand Voltage ( $U_{imp}$ )	8 kV
Actuator Marking	I / O
Contact Position Indication	ON / OFF / TRIP
Degree of Protection	IP20
Connecting Capacity	Rigid 0 ... 50 mm <sup>2</sup> Flexible 0 ... 70 mm <sup>2</sup>
Built-In Depth ( $t_2$ )	82.5 mm

### Environmental

Ambient Air Temperature	Operation -25...60 °C
RoHS Status	Following EU Directive 2011/65/EU

### Technical UL/CSA

Interrupting Rating acc. to UL489	(240 V AC) 50 kA
-----------------------------------	------------------

### Dimensions

Product Net Width	81 mm
Product Net Depth / Length	82.5 mm
Product Net Height	95 mm
Product Net Weight	735 g

### Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	105 mm
Package Level 1 Depth / Length	86 mm
Package Level 1 Height	99 mm
Package Level 1 Gross Weight	770 g
Package Level 1 EAN	7612271214906

### Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362020

### Certificates and Declarations (Document Number)

Declaration of	2CCC413009D0201
----------------	-----------------

## Conformity - CE

Environmental Information	2CCY413207D0203
Instructions and Manuals	2CCC413015M0403
RoHS Information	2CCC413009D0201 9AKK107680A3903

---

**Popular Downloads**

Data Sheet, Technical Information	2CCC413003C0208
Instructions and Manuals	2CCC413015M0403
Dimension Diagram	2CCC413003C0201

---

**Classifications**

Object Classification Code	F
ETIM 6	EC000042 - Miniature circuit breaker (MCB)
ETIM 7	EC000042 - Miniature circuit breaker (MCB)

---

**Categories**

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

