

PRODUCT-DETAILS

# S803S-UCK8

## S803S-UCK8 High Performance MCB



### General Information

Extended Product Type	S803S-UCK8
Product ID	2CCF020028R0001
EAN	7612271500948
Catalog Description	S803S-UCK8 High Performance MCB
Long Description	S803S-UCK8 3 Poles UC-K Characteristic 8A 50 kA 750 VDC High Performance Circuit Breaker HPCB

### Technical

Standards	IEC/EN 60947-2
Number of Poles	3
Tripping Characteristic	UC-K
Rated Current ( $I_n$ )	8 A
Rated Operational Voltage	750 V DC
Power Loss	5.1 W at Rated Operating Conditions per Pole 1.7 W
Rated Insulation Voltage ( $U_i$ )	1500 V DC
Rated Frequency (f)	50...60 Hz
Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ )	(750 V DC) 50 kA
Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )	(750 V DC) 50 kA

Overvoltage Category	III
Pollution Degree	2
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	8 kV
Housing Material	Insulation group I, RAL 7035
Actuator Marking	I / O
Contact Position Indication	ON / OFF / TRIP
Degree of Protection	acc. to IEC 60529 IP20
Remarks	Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw
Terminal Type	Screw Terminals
Connecting Capacity	Rigid 1 ... 50 mm <sup>2</sup> Flexible 1 ... 70 mm <sup>2</sup>
Tightening Torque	3.5 N·m
Recommended Screw Driver	Pozidriv 2
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

## Environmental

Ambient Air Temperature	Operation -25 ... +60 °C Storage -40 ... +70 °C
Resistance to Vibrations acc. to IEC 60068-2-6	7 - 13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x le
Environmental Conditions	Damp Heat Cyclic acc. to IEC 60068-2-30 179 + 12 cycle Damp Heat Cyclic acc. to IEC 60068-2-30 55°C @ 90-96 % Damp Heat Cyclic acc. to IEC 60068-2-30 25°C @ 90-100 % Dry Heat Test B acc. to IEC 60068-2-2 16 hours @ 55 °C Dry Heat Test B acc. to IEC 60068-2-2 2 hours @ 70 °C
RoHS Status	Following EU Directive 2011/65/EU

## Dimensions

Product Net Width	81 mm
Product Net Depth / Length	82.5 mm
Product Net Height	95 mm
Product Net Weight	0.735 kg

## Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	105 mm
Package Level 1 Depth / Length	60 mm
Package Level 1 Height	99 mm
Package Level 1 Gross Weight	510 g
Package Level 1 EAN	7612271500948

## Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362020

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## Certificates and Declarations (Document Number)

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Declaration of Conformity - CE	2CCC413016D0601
Environmental Information	2CCY413207D0203
Instructions and Manuals	2CCC413016M0008
RoHS Information	2CCC413016D0601 9AKK107680A3903

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## Popular Downloads

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Data Sheet, Technical Information	2CCC413003C0208
Instructions and Manuals	2CCC413016M0008

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## Classifications

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

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## Categories

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

