



PRODUCT-DETAILS

S801S-UCK100

S801S-UCK100 High Performance MCB



General Information	
Extended Product Type	S801S-UCK100
Product ID	2CCS861001R1637
EAN	7612271203429
Catalog Description	S801S-UCK100 High Performance MCB
Long Description	S801S-UCK100 High Performance Miniature Circuit Breaker 1 Pole K Characteristic 100A 50kA 250VDC

Technical	
Standards	IEC/EN 60947-2
Tripping Characteristic	UC-K
Type of Residual Current	Standard Version
Rated Voltage ( $U_r$ )	acc. to IEC 60947-2 250 V DC
Rated Operational Voltage	acc. to IEC 60898-1 230 V
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
	100 A

Rated Current ( $I_n$ )	
Rated Operational Current ( $I_e$ )	100 A
Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ )	(250 V DC) 50 kA (230 V) 50 kA (400 V) 50 kA
Rated Conditional Short-Circuit Current ( $I_{nc}$ )	(230 V) 50 kA (400 V) 50 kA
Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )	(250 V DC) 50 kA
Rated Frequency (f)	0 Hz
Power Loss	8.3 W at Rated Operating Conditions per Pole 8.3 W
Contact Position Indication	ON / OFF / TRIP
Energy Limiting Class	3
Number of Protected Poles	1
Number of Poles	1
Overvoltage Category	III
Release Type	K
Actuator Marking	I / O
Accessories Available	Yes
Connecting Capacity	Flexible 0 ... 50 mm² Rigid 0 ... 70 mm²
Terminal Type	Screw Terminals

Material Compliance

RoHS Information	9AKK107680A3903 2CCC005084D0202
RoHS Status	Following EU Directive 2011/65/EU
RoHS Date	20170426
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Environmental

Ambient Temperature	-25...60 °C
Ambient Air Temperature	Operation -25 ... 60 °C
Degree of Protection	IP20
Pollution Degree	2
Environmental Information	2CCY413207D0203

Dimensions

Width in Number of Modular Spacings	1.5
Product Net Width	27 mm
Product Net Height	95 mm
Product Net Depth / Length	82.5 mm
Product Net Weight	245 g
Size	1 module
Built-In Depth ( $t_2$ )	82.5 mm
Dimension Diagram	2CCC413003C0201

Ordering	
Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	270 g

Certificates and Declarations	
Declaration of Conformity - CE	2CCC005084D0202

Installation	
Instructions and Manuals	2CCC413016M0008

Popular Downloads	
Data Sheet, Technical Information	2CCC413003C0208

Classifications	
ETIM 8	EC000042 - Miniature circuit breaker (MCB)
ETIM 9	EC000042 - Miniature circuit breaker (MCB)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business
CN8	85362020
eClass	V11.0 : 27141901
Object Classification Code	F

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

