

PRODUCT-DETAILS

S803S-UCK50

S803S-UCK50 High Performance MCB



General Information

Extended Product Type	S803S-UCK50
Product ID	2CCS863001R1577
EAN	7612271203634
Catalog Description	S803S-UCK50 High Performance MCB
Long Description	S803S-UCK50 High Performance Miniature Circuit Breaker 3 Poles K Characteristic 50A 50kA 250VDC

Technical

Standards	IEC/EN 60947-2
Product Name	High Performance MCB
Tripping Characteristic	UC-K
Type of Residual Current	standard version
Rated Voltage (U_r)	250 V
Rated Operational Voltage	750 V DC acc. to IEC 60898-1 750 V
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 1000 V
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Input Voltage Type	DC
Rated Current (I_n)	50 A
Rated Operational Current (I_e)	50 A

Rated Short-Circuit Capacity (I_{cn})	(400 V) 50 kA (230 V) 50 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(750 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})	(750 V DC) 50 kA
Frequency (f)	0...0 Hz
Rated Frequency (f)	0 ... 0 Hz
Power Loss	12.9 W at Rated Operating Conditions per Pole 4.3 W
Contact Position Indication	ON / OFF / TRIP
Energy Limiting Class	3
Number of Poles	3
Number of Protected Poles	3
Overvoltage Category	III
Release Type	K
Actuator Marking	I / O
Accessories Available	Yes
Connecting Capacity	Rigid 0 ... 50 mm ² Flexible 0 ... 70 mm ²

Environmental

Ambient Temperature	-25...60 °C
Ambient Air Temperature	Operation -25...60 °C
Degree of Protection	IP20
Pollution Degree	2
Environmental Conditions	Damp Heat Cyclic acc. to IEC 60068-2-30 354 + 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
Environmental Information	2CCY413207D0203

Dimensions

Width in Number of Modular Spacings	3
Product Net Width	81 mm
Product Net Height	95 mm
Product Net Depth / Length	82.5 mm
Product Net Weight	735 g
Product Net Length	81 mm
Size	3 modules
Built-In Depth (t_2)	82.5 mm

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	105 mm

Package Level 1 Height	99 mm
Package Level 1 Depth / Length	86 mm
Package Level 1 Gross Weight	770 g
Package Level 1 EAN	7612271203634

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362010
Country of Origin	Switzerland (CH)
Selling Unit of Measure	piece

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CCC005084D0202
Environmental Information	2CCY413207D0203
Instructions and Manuals	2CCC413016M0008
RoHS Information	2CCC005084D0202, 9AKK107680A3903

Popular Downloads

Data Sheet, Technical Information	2CCC413003C0208
Instructions and Manuals	2CCC413016M0008
Dimension Diagram	2CCC413003C0201

Classifications

ETIM 6	EC000042 - Miniature circuit breaker (MCB)
ETIM 7	EC000042 - Miniature circuit breaker (MCB)
ETIM 8	EC000042 - Miniature circuit breaker (MCB)
EPLAN Catalog Tree	Electrical engineering / Protection devices / General
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business
CN8	85362020
Object Classification Code	F

Categories

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

