

PRODUCT-DETAILS

S803U-K50

S803U-K50 High Performance MCB



General Information

Extended Product Type	S803U-K50
Product ID	2CCS863017R0577
EAN	7612271214265
Catalog Description	S803U-K50 High Performance MCB
Long Description	S803U-K50 3 Pole K Characteristic 50A 50kA 240/415VAC High Performance Circuit Breaker HPCB

Technical

Standards	IEC/EN 60947-2 UL 489
Tripping Characteristic	K
Type of Residual Current	standard version
Rated Voltage (U_r)	acc. to IEC 60947-2 415 V AC
Rated Operational Voltage	acc. to IEC 60898-1 400 V
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)	50 A
Rated Operational Current (I_e)	50 A
Rated Short-Circuit Capacity	(230 V) 40 kA (400 V) 40 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(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})	(415 V AC) 40 kA
Frequency (f)	50/60 Hz
Rated Frequency (f)	50/60 Hz
Power Loss	4.3 W at Rated Operating Conditions per Pole 1.43 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	Flexible 0 ... 50 mm ² Rigid 0 ... 70 mm ²

Environmental

Ambient Temperature	-25...60 °C
Ambient Air Temperature	Operation -25 ... 60 °C
Degree of Protection	IP20
Pollution Degree	2
RoHS Status	Following EU Directive 2011/65/EU
RoHS Information	2CCC005116D0201 9AKK107680A3903
Environmental Information	2CCY413207D0203
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Technical UL/CSA

Interrupting Rating acc. to UL489	(240 V AC) 50 kA
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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
Size	3 modules
Built-In Depth (t ₂)	82.5 mm
Dimension Diagram	2CCC413003C0201

Ordering

Minimum Order Quantity	1 piece
Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	770 g

Certificates and Declarations

Declaration of Conformity - CE	2CCC005116D0201
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Installation

Instructions and Manuals	2CCC413015M0403
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Popular Downloads

Data Sheet, Technical Information	2CCC413003C0208
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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
UNSPSC	39121603
eClass	V11.0 : 27141901
IDEA Granular Category Code (IGCC)	4899 >> Miniature circuit breaker (MCB) screw-in model
Object Classification Code	F

Categories

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

