



PRODUCT-DETAILS

S803UE-K20

High Performance MCB



General Information	
Extended Product Type	S803UE-K20
Product ID	2CCF020109R0001
EAN	7612271501648
Catalog Description	High Performance MCB
Long Description	S803UE-K20 3Poles K Characteristic 20A 22kA 240VAC High Performance Circuit Breaker HPCB

ABB EcoSolutions	
ABB EcoSolutions	Yes
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 86.29 %
ABB Site Meeting Group Waste To Landfill Target	No non-hazardous waste is sent to a landfill
End Of Life Disassembling Instructions	9AKK108470A2575
Environmental Product Declaration - EPD	9AKK108470A1695 9AKK108470A1696

Technical		
Tripping Characteristic		K
Rated Voltage (U _r)	acc. to UL489 240 V AC	
Rated Operational Voltage		240 V AC
Rated Insulation Voltage (U _i)		690 V
Rated Impulse Withstand Voltage (U _{imp})		8 kV
Input Voltage Type		AC
Rated Current (I _n)		20 A
Rated Operational Current (I _e)		20 A
Frequency (f)		50...60 Hz
Rated Frequency (f)		50...60 Hz
Power Loss	10.5 W at Rated Operating Conditions per Pole 3.5 W	
Contact Position Indication		ON / OFF / TRIP
Energy Limiting Class		3
Number of Protected Poles		3
Number of Poles		3P
Overvoltage Category		IV
Tightening Torque		3.5 N·m
Release Type		K
Actuator Marking		I / O
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
Accessories Available		Yes
Remarks	Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw	
Connecting Capacity		Flexible 0...50 mm ² Rigid 0...70 mm ²
Terminal Type		Screw Terminals

Material Compliance		
RoHS Information		2CCC413009D0201 9AKK107680A3903
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

Resistance to Vibrations	1 mm 6 - 13.2 Hz 0.7g with Load 100% x le 13.2 - 100 Hz
Environmental Information	2CCY413207D0202

Technical UL/CSA

Interrupting Rating acc. to UL489	(240 V AC) 22 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	0.735 kg
Built-In Depth (t ₂)	82.5 mm

Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	770 g

Certificates and Declarations

Declaration of Conformity - CE	2CCC413009D0201
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Installation

Instructions and Manuals	2CCC413040M0201
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Popular Downloads

Data Sheet, Technical Information	9AKK108468A9560 9AKK108468A9561 9AKK108468A9562
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External Classifications and Standards

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
Standards	UL489

Categories

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

