



PRODUCT-DETAILS

S801U-K80

High Performance MCB



General Information	
Extended Product Type	S801U-K80
Product ID	2CCS881017R0627
EAN	7612271214364
Catalog Description	High Performance MCB
Long Description	S801U-K80 1 Pole K Characteristic 80A 30kA 240/415VAC 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 Operational Voltage	acc. to IEC 60947-2 240 V AC UL489 240 V AC	
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)		80 A
Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})		(240 V AC) 30 kA
Rated Service Short-Circuit Breaking Capacity (I _{cs})		(240 V AC) 25 kA
Frequency (f)		50/60 Hz
Rated Frequency (f)		50/60 Hz
Power Loss	6.4 W at Rated Operating Conditions per Pole 6.4 W	
Contact Position Indication		ON / OFF / TRIP
Energy Limiting Class		3
Number of Protected Poles		1
Number of Poles		1P
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	

Material Compliance		
RoHS Information		9AKK107680A3903
RoHS Status	Following EU Directive 2011/65/EU	
RoHS Date		20170426
REACH Declaration		9AKK108468A3036
REACH Information	False - does not contain substances > 0.1 mass percentage	
REACH Date		20200527
Conflict Minerals Reporting Template (CMRT)		9AKK108468A3363

Environmental		
Ambient Air Temperature	Operation -25 ... +60 °C Storage -40 ... +70 °C	
Degree of Protection		IP20
Pollution Degree		2
Environmental Information		2CCY413207D0203

Technical UL/CSA		
Interrupting Rating acc. to UL489		(240 V AC) 30 kA
Short-Circuit Current Rating (SCCR)		(240 V AC) 30 kA

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
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	2CCC413009D0201
UL Certificate	9AKK107680A2289

Installation

Instructions and Manuals	2CCC413015M0403
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Popular Downloads

Data Sheet, Technical Information	9AKK108468A9560
	9AKK108468A9561
	9AKK108468A9562

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	UL 489

Categories

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

