PRODUCT-DETAILS

S803U-K30
High Performance MCB

General Information

Extended Product Type	S803U-K30
Product ID	2CCS863017R0527
EAN	7612271214180
Catalog Description	High Performance MCB
Long Description	S803U-K30 3 Pole K Characteristic 30A 50kA 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

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Technical

Tripping Characteristic	K
Type of Residual Current	Standard Version
Rated Operational Voltage	acc. to IEC 60947-2 415 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)	30 A
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(415 V AC) 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	2.8 W at Rated Operating Conditions per Pole 0.93 W
Contact Position Indication	ON / OFF / TRIP
Energy Limiting Class	3
Number of Protected Poles	3
Number of Poles	3P
Overvoltage Category	III
Release Type	K
Actuator Marking	I / O
Accessories Available	Yes
Connecting Capacity	Flexible 0 … 50 mm² Rigid 0 … 70 mm²

Material Compliance

RoHS Information	2CCC005116D0201 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) 50 kA

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Short-Circuit Current Rating (SCCR)	(240 V AC) 50 kA

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
Built-In Depth (t_2)	82.5 mm
Dimension Diagram	2CCC413003C0201

Ordering

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

Certificates and Declarations

Declaration of Conformity - CE	2CCC005116D0201
UL Certificate	9AKK107680A2289

Installation

Instructions and Manuals	2CCC413015M0403

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

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Categories

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

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