



 PRODUCT-DETAILS

S803P-C80

High Performance MCB



General Information

Extended Product Type	S803P-C80
Product ID	2CCG001232R0001
EAN	7612271517014
Catalog Description	High Performance MCB
Long Description	S803P-C80 High Performance Circuit Breaker. C Characteristic. 50kA, 80A, 3P

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	C
Rated Operational Voltage	acc. to IEC 60898-1 400 V AC acc. to IEC 60947-2 690 V AC
Rated Insulation Voltage (U _i)	acc. to IEC/EN 60664-1 690 V
Rated Impulse Withstand Voltage (U _{imp})	6 kV
Input Voltage Type	AC/DC
Rated Current (I _n)	80 A
Rated Short-Circuit Capacity	(400 V AC) 25 kA
Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})	(415 V AC) 50 kA (440 V AC) 30 kA (500 V AC) 15 kA (690 V AC) 6 kA (375 V DC) 30 kA
Rated Service Short-Circuit Breaking Capacity (I _{cs})	(240 / 415 V AC) 40 kA
Frequency (f)	50/60 Hz
Rated Frequency (f)	50/60 Hz
Power Loss	19.2 W at Rated Operating Conditions per Pole 6.4 W
Contact Position Indication	ON / OFF / TRIP
Energy Limiting Class	3
Number of Protected Poles	3
Number of Poles	3P
Overvoltage Category	III
Tightening Torque	3.5 N·m
Release Type	C
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
Recommended Screw Driver	Pozidriv 2
Accessories Available	Yes
Connecting Capacity	Flexible 1...50 mm ² Rigid 1...70 mm ²
Wire Stripping Length	19 mm

Material Compliance

RoHS Information	9AKK108468A0836
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20230505
REACH Declaration	9AKK108468A0699
REACH Information	False - does not contain substances > 0.1 mass percentage
REACH Date	20230421
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Environmental

Ambient Air Temperature	Operation -25 ... +60 °C Storage -40 ... +70 °C
Reference Ambient Air Temperature	30 °C
Degree of Protection	IP20
Pollution Degree	3

Dimensions

Width in Number of Modular Spacings	4.5
Product Net Width	81.0 mm
Product Net Height	95.0 mm
Product Net Depth / Length	82.5 mm
Product Net Weight	740 g
Built-In Depth (t ₂)	82.5 mm

Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	775 g
E-Number (Finland)	3217366
E-Number (Norway)	1629236
E-Number (Sweden)	2101435

Certificates and Declarations

CB Certificate	9AKK108468A1243
CCC Certificate	9AKK108468A8539
CEBEC Certificate	9AKK108468A1244
Declaration of Conformity - CE	9AKK108468A0836
Declaration of Conformity - UKCA	9AKK108468A0837
DNV GL Certificate	2CCC413018D0201
ESTI Certificate	9AKK108468A2302
KC Certificate	9AKK108468A8755
LR Certificate	9AKK108468A8541
RINA Certificate	9AKK108469A1379
UL Certificate	9AKK108469A1794
VDE Certificate	9AKK108468A6941

Installation

Instructions and Manuals	2CCC413016M0008
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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)
UNSPSC	39121603
eClass	V11.0 : 27141901
IDEA Granular Category Code (IGCC)	4899 >> Miniature circuit breaker (MCB) screw-in model
Object Classification Code	F
Standards	IEC/EN 60947-2 UL 1077

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
2CCS800900R0011	S800-AUX	Auxiliary Contact	1	piece
2CCS800900R0021	S800-AUX/ALT	Auxiliary/Signal Contact	1	piece
2CCS800900R0201	S800-SOR12	Shunt Operation Release	1	piece
2CCS800900R0191	S800-SOR24	Shunt Operation Release	1	piece
2CCS800900R0221	S800-SOR130	Shunt Operation Release	1	piece
2CCS800900R0211	S800-SOR250	Shunt Operation Release	1	piece
2CCS800900R0231	S800-SOR400	Shunt Operation Release	1	piece
2CCS800900R0241	S800-UVR36	Undervoltage Release	1	piece
2CCS800900R0251	S800-UVR60	Undervoltage Release	1	piece
2CCS800900R0261	S800-UVR130	Undervoltage Release	1	piece
2CCS800900R0271	S800-UVR250	Undervoltage Release	1	piece
2CCS800900R0181	S800-CT2125	Cage Terminal	1	pack
2CCS800900R0151	S800-CT4125	Cage Terminal	1	pack
2CCS800900R0161	S800-RT2125	Ring Terminal Cable Connection	1	pack
2CCS800900R0131	S800-RT4125	Ring Terminal Cable Connection	1	pack
2CCS800900R0051	S800-PLL	Locking Device IEC	1	pack
2CCS800017R0001	S800U-PLL	UL Locking Device	1	piece
2CCS800900R0031	S800-IP9	Intermediate Piece	1	piece
2CCS800900R0501	S800-RSU-H	Remote Switching Unit	1	piece
2CCS800900R0041	S800-RD	Rotary Drive	1	piece
1SDA060150R0001	S800-RHE-H	Anthracite Rotary Handle	1	piece
1SDA060151R0001	S800-RHE-EM	Red Rotary Handle	1	piece
1SDA060179R0001	S800-RHE-S	Axial Extension	1	piece
1SDA060180R0001	S800-RHE-IP54	Kit IP54	1	piece

Categories

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

