



 PRODUCT-DETAILS

S803P-C80

S803P-C80 High Performance Circuit Breaker.
C Characteristic. 50kA, 80A, 3P



General Information

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

ABB EcoSolutions

ABB EcoSolutions:	Yes
EcoSolutions Profile:	9AKK108471A1082
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

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
Contact Position Indication:	ON / OFF / TRIP
Energy Limiting Class:	3
Number of Protected Poles:	3
Number of Poles:	3P
Tightening Torque:	3.5 N·m
Release Type:	C
Actuator Marking:	I / O
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

Electrical

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
Frequency (f):	50/60 Hz
Rated Frequency (f):	50/60 Hz
Power Loss:	Total 19.2 W at Rated Operating Conditions per Pole 6.4 W
Overvoltage Category:	III

Material Compliance

RoHS Declaration:	9AKK108468A0836
RoHS Information:	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

RoHS Date:	20230505
REACH Declaration:	9AKK108470A9089
REACH Information:	False - does not contain substances > 0.1 mass percentage
REACH Date:	20250313
Conflict Minerals Reporting Template (CMRT):	9AKK108468A3363
WEEE Category:	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B:	Business To Business

Environmental

Ambient Air Temperature:	Operation -40 ... 70 °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 (t₂):	82.5 mm

Engineering

EPLAN Data:	9AAF605105_EPLAN
--------------------	------------------

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
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

Popular Downloads

Data Sheet, Technical Information:	9AKK108468A9560 9AKK108468A9561 9AKK108468A9562
---	---

External Classifications and Standards

ETIM 9:	EC000042 - Miniature circuit breaker (MCB)
ETIM 10:	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	Qty	Unit Of Measure
2CCS800900R0011	Auxiliary contact	S800-AUX	1	piece
2CCS800900R0021	Auxiliary and signal contact	S800-AUX/ALT	1	piece
2CCS800900R0191	Shunt Operating Release	S800-SOR24	1	piece
2CCS800900R0221	Shunt Operating Release	S800-SOR130	1	piece
2CCS800900R0211	Shunt Operating Release	S800-SOR250	1	piece

2CCS800900R0231	Shunt Operating Release	S800-SOR400	1	piece
2CCS800900R0201	Shunt Operating Release	S800-SOR12	1	piece
1SDA060150R0001	Rotary drive/handle	S800-RHE-H	1	piece
1SDA060151R0001	Rotary drive/handle	S800-RHE-EM	1	piece
1SDA060179R0001	Rotary drive/handle	S800-RHE-S	1	piece
1SDA060180R0001	Rotary drive/handle	S800-RHE-IP54	1	piece
2CCS800900R0041	Rotary drive/handle	S800-RD	1	piece
2CCF019568R0001	Busbar	S804-BB250	1	piece
2CCF019569R0001	Busbar	S804-BBPC120	1	piece
2CCS800900R0071	Busbar	S803-BB250	1	piece
2CCS800900R0081	Busbar	S800-BBIC	1	pack
2CCS800900R0091	Busbar	S800-END	1	pack
2CCS800900R0101	Busbar	S803-BBPC120	1	piece
2CCF019562R0001	Busbar	S803-BB6	1	pack
2CCS800900R0241	Undervoltage release	S800-UVR36	1	piece
2CCS800900R0251	Undervoltage release	S800-UVR60	1	piece
2CCS800900R0271	Undervoltage release	S800-UVR250	1	piece
2CCS800900R0261	Undervoltage release	S800-UVR130	1	piece
2CCS800900R0561	Various - clips	S800-RAFIX Set Clips	1	pack
2CCS800900R0161	Various - interchangeable adapter kit	S800-RT2125	1	pack
2CCS800900R0131	Various - interchangeable adapter kit	S800-RT4125	1	pack
2CCS800900R0151	Various - interchangeable adapter kit	S800-CT4125	1	pack
2CCS800900R0181	Various - interchangeable adapter kit	S800-CT2125	1	pack
2CCS800900R0031	Various - intermediate plate	S800-IP9	1	piece
2CCS800900R0121	Various - labelling system	S800-ILS	1	piece
2CCS800900R0051	Various - padlock	S800-PLL	1	pack
2CCS800017R0001	Various - padlock for US	S800U-PLL	1	piece
2CCS800900R0562	Various - pole connector	S802-LINK125	1	pack
2CCS800900R0411	Various - pole connector	S802-LINK50	1	pack
2CSB802101R1630	RCD block	DDA802 A-63/0.03	1	piece
2CSB802101R3630	RCD block	DDA802 A-63/0.3	1	piece
2CSB802101R4630	RCD block	DDA802 A-63/0.5	1	piece
2CSB803101R1630	RCD block	DDA803 A-63/0.03	1	piece
2CSB803101R3630	RCD block	DDA803 A-63/0.3	1	piece
2CSB803101R4630	RCD block	DDA803 A-63/0.5	1	piece
2CSB802001R1630	RCD block	DDA802AC-63/0.03	1	piece
2CSB802001R3630	RCD block	DDA802AC-63/0.3	1	piece
2CSB803001R1630	RCD block	DDA803AC-63/0.03	1	piece
2CSB803001R3630	RCD block	DDA803AC-63/0.3	1	piece
2CSB802201R3630	RCD block	DDA802 A S-63/0.3	1	piece

2CSB802201R5630	RCD block	DDA802 A S-63/1	1	piece
2CSB803201R3630	RCD block	DDA803 A S-63/0.3	1	piece
2CSB803201R5630	RCD block	DDA803 A S-63/1	1	piece
2CSB802401R1630	RCD block	DDA802A-63/0.03 APR	1	piece
2CSB802101R4000	RCD block	DDA802 A-100/0.5	1	piece
2CSB802101R3000	RCD block	DDA802 A-100/0.3	1	piece
2CSB803101R3000	RCD block	DDA803 A-100/0.3	1	piece
2CSB803101R4000	RCD block	DDA803 A-100/0.5	1	piece
2CSB802401R1000	RCD block	DDA802A-100/0.03 APR	1	piece
2CSB802201R5000	RCD block	DDA802 A S-100/1	1	piece
2CSB803201R5000	RCD block	DDA803 A S-100/1	1	piece
2CSB802201R3000	RCD block	DDA802 A S-100/0.3	1	piece
2CSB803201R4000	RCD block	DDA803 A S-100/0.5	1	piece
2CSB803201R3000	RCD block	DDA803 A S-100/0.3	1	piece
2CSB804101R1630	RCD block	DDA804 A-63/0.03	1	piece
2CSB804101R3630	RCD block	DDA804 A-63/0.3	1	piece
2CSB804101R4630	RCD block	DDA804 A-63/0.5	1	piece
2CSB804001R1630	RCD block	DDA804AC-63/0.03	1	piece
2CSB804001R3630	RCD block	DDA804AC-63/0.3	1	piece
2CSB804201R3630	RCD block	DDA804 A S-63/0.3	1	piece
2CSB804201R5630	RCD block	DDA804 A S-63/1	1	piece
2CSB803401R1630	RCD block	DDA803A-63/0.03 APR	1	piece
2CSB804401R1630	RCD block	DDA804A-63/0.03 APR	1	piece
2CSB804101R4000	RCD block	DDA804 A-100/0.5	1	piece
2CSB804101R3000	RCD block	DDA804 A-100/0.3	1	piece
2CSB804401R1000	RCD block	DDA804A-100/0.03 APR	1	piece
2CSB803401R1000	RCD block	DDA803A-100/0.03 APR	1	piece
2CSB804201R5000	RCD block	DDA804 A S-100/1	1	piece
2CSB804201R3000	RCD block	DDA804 A S-100/0.3	1	piece
2CSB804201R4000	RCD block	DDA804 A S-100/0.5	1	piece
2CSB804001R1100	RCD block	DDA804 AC-100/0.03	1	piece
2CSB804001R3100	RCD block	DDA804 AC-100/0.3	1	piece

Categories

Products > Low Voltage Products and Systems > Modular DIN Rail Products > High Performance Circuit Breakers HPCBs > High Performance Circuit Breakers HPCBs - S800



360°

