PRODUCT-DETAILS

S803P-C80

S803P-C80 High Performance MCB



General Information

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

Technical

Standards	IEC/EN 60947-2
Tripping Characteristic	C
Rated Voltage (U_r)	AccTolec609472 690 V AC AccTolec609472 375 V DC
Rated Operational Voltage	acc. to IEC 60947-2 690 V AC acc. to IEC 60947-2 375 V DC
Rated Insulation Voltage (U_i)	690 V
Rated Impulse Withstand Voltage (U_{imp})	6 kV
Rated Current (I_n)	80 A

© 2023 ABB. All rights reserved.

Rated Short-Circuit Capacity	(230 / 400 V AC) 25 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(240 / 415 V AC) 50 kA (254 / 440 V AC) 30 kA (289 / 500 V AC) 15 kA (400 / 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	at Rated Operating Conditions per Pole 6.4 W
Contact Position Indication	ON / OFF / TRIP
Number of Poles	3
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 0...50 mm² Rigid 0...70 mm²

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
REACH Declaration	9AKK108468A0699
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

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	0.740 kg

© 2023 ABB. All rights reserved.

Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.76 kg
Customs Tariff Number	85362090
E-Number (Finland)	3217366
Country of Origin	Switzerland (CH)

Certificates and Declarations

CB Certificate	9AKK108468A1243
CEBEC Certificate	9AKK108468A1244
Declaration of Conformity - CE	9AKK108468A0836
Declaration of Conformity - UKCA	9AKK108468A0837

Popular Downloads

Instructions and Manuals	9AKK108467A9512

Classifications

ETIM 8	EC000042 - Miniature circuit breaker (MCB)
ETIM 9	EC000042 - Miniature circuit breaker (MCB)
EPLAN Catalog Tree	Electrical engineering / Protection devices / General
EPLAN Function Definition	501.3.1
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business
eClass	V11.0 : 27141901
Object Classification Code	F

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
2CCS800900R0011	S800-AUX	S800-AUX Auxiliary Contact	1	piece
2CCS800900R0021	S800-AUX/ALT	S800-AUX/ALT Auxiliary / Signal Contact	1	piece
2CCS800900R0201	S800-SOR12	S800-SOR12 Shunt Operation Release	1	piece

© 2023 ABB. All rights reserved.

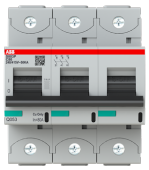
2CCS800900R0191	S800-SOR24	S800-SOR24 Shunt Operation Release	1	piece
2CCS800900R0221	S800-SOR130	S800-SOR130 Shunt Operation Release	1	piece
2CCS800900R0211	S800-SOR250	S800-SOR250 Shunt Operation Release	1	piece
2CCS800900R0231	S800-SOR400	S800-SOR400 Shunt Operation Release	1	piece
2CCS800900R0241	S800-UVR36	S800-UVR36 Undervoltage Release	1	piece
2CCS800900R0251	S800-UVR60	S800-UVR60 Undervoltage Release	1	piece
2CCS800900R0261	S800-UVR130	S800-UVR130 Undervoltage Release	1	piece
2CCS800900R0271	S800-UVR250	S800-UVR250 Undervoltage Release	1	piece
2CCS800900R0181	S800-CT2125	S800-CT2125 Cage Terminal	1	pack
2CCS800900R0151	S800-CT4125	S800-CT4125 Cage Terminal	1	pack
2CCS800900R0161	S800-RT2125	S800-RT2125 Ring Terminal Cable Connection	1	pack
2CCS800900R0131	S800-RT4125	S800-RT4125 Ring Terminal Cable Connection	1	pack
2CCS800900R0051	S800-PLL	S800-PLL Locking Device IEC	1	pack
2CCS800017R0001	S800U-PLL	S800U-PLL UL Locking Device	1	piece
2CCS800900R0031	S800-IP9	S800-IP9 Intermediate Piece	1	piece
2CCS800900R0501	S800-RSU-H	S800-RSU-H Remote Switching Unit	1	piece
2CCS800900R0041	S800-RD	S800-RD Rotary Drive	1	piece
1SDA060150R0001	S800-RHE-H	S800-RHE-H Anthracite Rotary Handle	1	piece
1SDA060151R0001	S800-RHE-EM	S800-RHE-EM Red Rotary Handle	1	piece

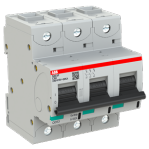
© 2023 ABB. All rights reserved.

1SDA060179R0001	S800-RHE-S	S800-RHE-S Axial Extension	1	piece
1SDA060180R0001	S800-RHE-IP54	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





© 2023 ABB. All rights reserved.