PRODUCT-DETAILS

S803P-K80

S803P-K80 High Performance Circuit Breaker. K Characteristic. 50kA, 80A, 3P



General Information

Extended Product Type	S803P-K80
Product ID	2CCG001256R0001
EAN	7612271517250
Catalog Description	S803P-K80 High Performance Circuit Breaker. K Characteristic. 50kA, 80A, 3P
Long Description	S803P-K80 High Performance Circuit Breaker. K Characteristic. 50kA, 80A, 3P

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

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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	K
Actuator Marking	I / O
Recommended Screw Driver	Pozidriv 2
Accessories Available	Yes
Connecting Capacity	Flexible 1...50 mm² Rigid 1...70 mm²
Wire Stripping Length	19 mm

Electrical

Tripping Characteristic	K
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	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

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Ambient Air Temperature	Operation -25 ... +60 °C Storage -40 ... +70 °C
Reference Ambient Air Temperature	40 °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

Engineering

EPLAN Data	9AAF605105_EPLAN

Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	775 g
E-Number (Finland)	3217604
E-Number (Norway)	1629250
E-Number (Sweden)	2101476

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

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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	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
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	1	pack
2CCS800900R0131	S800-RT4125	S800-RT4125	1	pack

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2CCS800900R0051	S800-PLL	S800-PLL Padlock Lever Lock	1	pack
2CCS800017R0001	S800U-PLL	S800U-PLL UL locking device	1	piece
2CCS800900R0031	S800-IP9	S800-IP9 Intermediate Piece 9mm	1	piece
2CCS800900R0501	S800-RSU-H	S800-RSU-H Remote switching unit	1	piece
2CCS800900R0511	S800W-RSU	S800W-RSU 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
1SDA060179R0001	S800-RHE-S	S800-RHE-S Axial extension 500mm	1	piece
1SDA060180R0001	S800-RHE-IP54	S800-RHE-IP54 Kit IP54	1	piece
2CSB802101R1630	DDA802 A-63/0.03	Residual Current Device Block DDA800 - 2P - 30 mA - 63 A - Type A	1	piece
2CSB802101R3630	DDA802 A-63/0.3	Residual Current Device Block DDA800 - 2P - 300 mA - 63 A - Type A	1	piece
2CSB802101R4630	DDA802 A-63/0.5	Residual Current Device Block DDA800 - 2P - 500 mA - 63 A - Type A	1	piece
2CSB802001R1630	DDA802AC-63/0.03	Residual Current Device Block DDA800 - 2P - 30 mA - 63 A - Type AC	1	piece
2CSB802001R3630	DDA802AC-63/0.3	Residual Current Device Block DDA800 - 2P - 300 mA - 63 A - Type AC	1	piece
2CSB802201R3630	DDA802 A S-63/0.3	Residual Current Device Block DDA800 - 2P - 300 mA - 63 A - Type A	1	piece
2CSB802201R5630	DDA802 A S-63/1	Residual Current Device Block DDA800 - 2P - 1000 mA - 63 A - Type A	1	piece
2CSB802401R1630	DDA802A-63/0.03 APR	Residual Current Device Block DDA800 - 2P - 30 mA - 63 A - Type A APR	1	piece
2CSB803101R1630	DDA803 A-63/0.03	Residual Current Device Block DDA800 - 3P - 30 mA - 63 A - Type A	1	piece

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2CSB803101R3630	DDA803 A-63/0.3	Residual Current Device Block DDA800 - 3P - 300 mA - 63 A - Type A	1	piece
2CSB803101R4630	DDA803 A-63/0.5	Residual Current Device Block DDA800 - 3P - 500 mA - 63 A - Type A	1	piece
2CSB803001R1630	DDA803AC-63/0.03	Residual Current Device Block DDA800 - 3P - 30 mA - 63 A - Type AC	1	piece
2CSB803001R3630	DDA803AC-63/0.3	Residual Current Device Block DDA800 - 3P - 300 mA - 63 A - Type AC	1	piece
2CSB803201R3630	DDA803 A S-63/0.3	Residual Current Device Block DDA800 - 3P - 300 mA - 63 A - Type A	1	piece
2CSB803201R5630	DDA803 A S-63/1	Residual Current Device Block DDA800 - 3P - 1000 mA - 63 A - Type A	1	piece
2CSB803401R1630	DDA803A-63/0.03 APR	Residual Current Device Block DDA800 - 3P - 30 mA - 63 A - Type A APR	1	piece
2CSB804101R1630	DDA804 A-63/0.03	Residual Current Device Block DDA800 - 4P - 30 mA - 63 A - Type A	1	piece
2CSB804101R3630	DDA804 A-63/0.3	Residual Current Device Block DDA800 - 4P - 300 mA - 63 A - Type A	1	piece
2CSB804101R4630	DDA804 A-63/0.5	Residual Current Device Block DDA800 - 4P - 500 mA - 63 A - Type A	1	piece
2CSB804001R1630	DDA804AC-63/0.03	Residual Current Device Block DDA800 - 4P - 30 mA - 63 A - Type AC	1	piece
2CSB804001R3630	DDA804AC-63/0.3	Residual Current Device Block DDA800 - 4P - 300 mA - 63 A - Type AC	1	piece
2CSB804201R3630	DDA804 A S-63/0.3	Residual Current Device Block DDA800 - 4P - 300 mA - 63 A - Type A	1	piece
2CSB804201R5630	DDA804 A S-63/1	Residual Current Device Block DDA800 - 4P - 1000 mA - 63 A - Type A	1	piece

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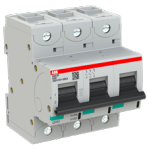
2CSB804401R1630	DDA804A-63/0.03 APR	Residual Current Device Block DDA800 - 4P - 30 mA - 63 A - Type A APR	1	piece

Categories

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





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