PRODUCT-DETAILS

S803P-K100

S803P-K100 High Performance Circuit Breaker. K Characteristic. 50kA, 100A, 3P



General Information

Extended Product Type	S803P-K100
Product ID	2CCG001257R0001
EAN	7612271517267
Catalog Description	S803P-K100 High Performance Circuit Breaker. K Characteristic. 50kA, 100A, 3P
Long Description	S803P-K100 High Performance Circuit Breaker. K Characteristic. 50kA, 100A, 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) 10 kA (690 V AC) 4.5 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)	100 A
Rated Short-Circuit Capacity	(400 V AC) 15 kA
Frequency (f)	50/60 Hz
Rated Frequency (f)	50/60 Hz
Power Loss	24 W at Rated Operating Conditions per Pole 8 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	9AKK108468A3363

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(CMRT)	
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business

Environmental

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)	3217607
E-Number (Norway)	1629251
E-Number (Sweden)	2101477

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

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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	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

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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
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

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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
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

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

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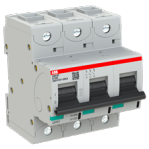
Categories

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







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