

PRODUCT-DETAILS

# S804P-B80-R

## S804P-B80-R High Performance MCB



### General Information

Extended Product Type	S804P-B80-R
Product ID	2CCG001274R0001
EAN	7612271517434
Catalog Description	S804P-B80-R High Performance MCB
Long Description	S804P-B80-R High Performance Circuit Breaker with ring tongue terminal. B characteristic. 50kA, 80A, 4P

### Technical

Standards	IEC/EN 60947-2
Tripping Characteristic	B
Rated Voltage ( $U_r$ )	AccTolec609472 690 V AC AccTolec609472 500 V DC
Rated Operational Voltage	acc. to IEC 60898-1 400 V
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	(230 V) 25 kA (400 V) 25 kA

Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ )	(690 V) 50 kA (690 V) 415V/6 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
Energy Limiting Class	3
Number of Poles	4
Number of Protected Poles	4
Overvoltage Category	III
Tightening Torque	3.5 N·m
Release Type	B
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 <sup>2</sup> Rigid 1...70 mm <sup>2</sup>
Wire Stripping Length	19 mm

## Environmental

Ambient Air Temperature	Operation -25 ... 60 °C
Reference Ambient Air Temperature	30 °C
Degree of Protection	IP20
Pollution Degree	3
RoHS Status	Following EU Directive 2011/65/EU
RoHS Information	9AKK108468A0879
REACH Declaration	9AKK108468A0699
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

## Dimensions

Width in Number of Modular Spacings	6
Product Net Width	108.0 mm
Product Net Height	142.0 mm
Product Net Depth / Length	82.5 mm
Product Net Weight	0.980 kg
Built-In Depth ( $t_2$ )	82.5 mm

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**Ordering**


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Minimum Order Quantity	1 piece
Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	1.07 kg

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**Certificates and Declarations**


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CB Certificate	9AKK108468A1243
CEBEC Certificate	9AKK108468A1244
Declaration of Conformity - CE	9AKK108468A0836
Declaration of Conformity - UKCA	9AKK108468A0837
DNV GL Certificate	2CCC413018D0201

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**Installation**


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Instructions and Manuals	9AKK108467A9512
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**Popular Downloads**


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Data Sheet, Technical Information	9AKK108468A0873
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**Classifications**


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ETIM 8	EC000042 - Miniature circuit breaker (MCB)
ETIM 9	EC000042 - Miniature circuit breaker (MCB)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business
CN8	85362090
eClass	V11.0 : 27141901
Object Classification Code	F

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**Accessories**


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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

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

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## Categories

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

