

PRODUCT-DETAILS

S801S-B1

S801S-B1 High Performance MCB



General Information

Extended Product Type	S801S-B1
Product ID	2CCF019842R0001
EAN	7612271498986
Catalog Description	S801S-B1 High Performance MCB
Long Description	S801S-B1 1 Pole B Characteristic 1A 6 kA 400/690 VAC High Performance Circuit Breaker HPCB

Technical

Standards	IEC/EN 60947-2, IEC/EN 60898-1, UL 1077
Tripping Characteristic	B
Rated Voltage (U_r)	acc. to IEC 60947-2 400 V AC acc. to IEC 60947-2 125 V DC acc. to IEC 60898-1 230/400 V AC
Rated Operational Voltage	acc. to IEC 60898-1 230 V
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 690 V
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Input Voltage Type	AC/DC

Rated Current (I_n)	1 A
Rated Operational Current (I_e)	1 A
Rated Short-Circuit Capacity	(230 V) 25 kA (400 V) 25 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(230 V) 50 kA (400 V) 6 kA
Rated Conditional Short-Circuit Current (I_{nc})	(230 V) 50 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(240 / 415 V AC) 40 kA (254 / 440 V AC) 22.5 kA (289 / 500 V AC) 11 kA (400 / 690 V AC) 4 kA (125 V DC) 30 kA
Rated Frequency (f)	50/60 Hz
Power Loss	1.6 W at Rated Operating Conditions per Pole 1.6 W
Contact Position Indication	ON / OFF / TRIP
Energy Limiting Class	3
Number of Poles	1
Number of Protected Poles	1
Overvoltage Category	IV
Tightening Torque	3.5 N·m
Actuator Marking	I / O
Housing Material	Insulation group I, RAL 7035
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
Remarks	Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw
Connecting Capacity	Flexible 0 ... 50 mm ² Rigid 0 ... 70 mm ²
Terminal Type	Screw Terminals

Environmental

Ambient Air Temperature	Operation -25 ... 60 °C
Degree of Protection	IP20
Pollution Degree	3
Resistance to Vibrations acc. to IEC 60068-2-6	7 - 13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x 1e
RoHS Status	Following EU Directive 2011/65/EU
RoHS Information	9AKK107680A3903 2CCC005083D0202
Environmental Information	2CCY413207D0203

Conflict Minerals
Reporting Template
(CMRT)

9AKK108468A3363

Technical UL/CSA

Interrupting Rating acc. to
UL1077

(240 V AC) 30 kA
(480Y / 277 V AC) 14 kA
(600Y / 347 V AC) 6 kA

Dimensions

Width in Number of Modular Spacings	1.5
Product Net Width	27 mm
Product Net Height	95 mm
Product Net Depth / Length	82.5 mm
Product Net Weight	245 g
Built-In Depth (t ₂)	82.5 mm

Ordering

Minimum Order Quantity	1 piece
Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	270 g

Certificates and Declarations

Declaration of Conformity - CE	2CCC005083D0202
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Installation

Instructions and Manuals	2CCC413016M0008
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Popular Downloads

Data Sheet, Technical Information	2CCC413003C0208
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Classifications

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

85362020

eClass

V11.0 : 27141901

Object Classification Code

F

Categories

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

