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PRODUCT-DETAILS

## S801S-B63

## S801S-B63 High Performance MCB



General Information	
Extended Product Type	S801S-B63
Product ID	2CCS861001R0635
EAN	7612271200084
Catalog Description	S801S-B63 High Performance MCB
Long Description	The S801S-B63 is a 1-pole High Performance Circuit breaker with B-characteristic, with cage terminal and a rated current of 63 A. It is a current limiting device with a maximum breaking capacity of 50kA at 240/415V. It can be used for voltages up to 400/690V and in DC as well. It has two different tripping mechanisms, the thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. The S801S-B63 complies with IEC/EN 60898-1 and IEC/EN 60947-2 and allows the use for residential, commercial and industrial applications. It has numerous of approvals, therefore it can be used worldwide. The extensive range of accessory makes the use of S801S-B63 more comfortable. Due to the fast arc extinction of S801S-B63 your application will be secured.

Technical	
Standards	IEC/EN 60947-2, IEC/EN 60898-1, UL 1077
Tripping Characteristic	В
Type of Residual Current	Standard Version

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Acc. to IEC 60898-1.230/A00 VAC	Rated Voltage (U <sub>r</sub> )	acc. to IEC 60947-2 400 V AC acc. to IEC 60947-2 125 V DC
Department   Dep		acc. to IEC 60898-1 230/400 V AC
Minimum 12 V AC	Rated Operational Voltage	acc. to IEC 60898-1 230 V
Digital State   Impulse   Impu	Operational Voltage	Maximum 230/400 V AC Minimum 12 V AC
withstand Voltage (Ulmp         AC/DC           tated Current (In)         63.8 A           stated Current (In)         63.8 A           stated Operational         63.8 A           current (In)         (23.0 Y) 25.6 A           stated Short-Circuit         (20.0 Y) 25.6 A           stated Ultimate Short-Circuit Breaking         (240.0 Y) 50.6 A           Capacity (Inu)         (240.0 Y) 50.6 A           stated Service Short-Circuit Breaking         (240.4 415 V.A.C) 40.6 A           circuit Breaking         (55.4 /440 V.A.C) 25.5 K.           circuit Breaking         (56.5 V.A.C) 25.5 K.           circuit Breaking         (67.5 V.A.C) 25.5 K.           circuit Breaking         (56.5 V.A.C) 25.5 K.         25.5 V.A.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.	Rated Insulation Voltage (U <sub>i</sub> )	acc. to IEC/EN 60664-1 690 V
lated Current (In)         63 A           lated Operational         63 A           lated Operational         63 A           lated Short-Circuit         (230 V) 25 kA           lated Short-Circuit tapacity         (240 V) 50 kA           lated Ultimate Short-Circuit treaking         (240 V) 50 kA           licuit Breaking         (400 V) 50 kA           lapacity (Icu)         (240 V) 415 V AC) 40 kA           lated Service Short-Ircuit Breaking         (25 V 440 V AC) 22.5 kA           largetity (Ics)         (400 F 690 V AC) 25 kA           largetity (Ics)         (420 V 690 V AC) 25 kA           lated Frequency (f)         5060 Hz           lated Frequency (f)	Rated Impulse Withstand Voltage (U <sub>imp</sub> )	8 kV
Auten   Commended   Commende	Input Voltage Type	AC/DC
State of Nort-Circuit   (230 V) 25 kA	Rated Current (In)	63 A
Capacity	Rated Operational Current (I <sub>e</sub> )	63 A
Eircuit Breaking Capacity (Lu)         (400 V) 6 kA Capacity (Lu)           Lapacity (Lu)         (240 / 415 V AC) 40 kA           Lated Service Short-Licruit Breaking (254 / 440 V AC) 22.5 kA         (290 V AC) 4 kB           Lapacity (Les)         (125 V DC) 30 kA           Frequency (f)         5060 Hz           Lated Frequency (f)         50.60 Hz           Lated Frequency (f)         50.60 Hz           Lated Frequency (f)         6.4 W           Lontact Position         N/ OFF / TRIP           Indication         N/	Rated Short-Circuit Capacity	(230 V) 25 kA (400 V) 25 kA
Care	Rated Ultimate Short- Circuit Breaking Capacity (I <sub>cu</sub> )	(240 V) 50 kA (400 V) 6 kA
Rated Frequency (f)  Fower Loss  Rated Operating Conditions per Pole 6.4 W at Rated Operating Conditions per Pole 6.4 W Contact Position	Rated Service Short- Circuit Breaking Capacity (I <sub>cs</sub> )	(240 / 415 V AC) 40 kA (254 / 440 V AC) 22.5 kA (400 / 690 V AC) 4 kA (125 V DC) 30 kA
A trace of the properties of t	Frequency (f)	50 60 Hz
at Rated Operating Conditions per Pole 6.4 W Contact Position ON / OFF / TRIP midication Cenergy Limiting Class Celectrical Endurance Accommended Screw Order Counted Marking Counted Marking Counting on DIN Rail Counting on DIN Rail Counting Position Counted Cases Coun	Rated Frequency (f)	50/60 Hz
Indication  Energy Limiting Class Energy Lim	Power Loss	6.4 W at Rated Operating Conditions per Pole 6.4 W
Electrical Endurance 6000 cycle Mechanical Endurance 4000 cycle Mechanical Endurance 100les Mumber of Protected Poles Mumber of Poles 1  Divervoltage Category 1  Sightening Torque 3.5 N·m 31 in·lb Release Type B Actuator Marking 1  Mounting 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 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 Recommended Screw Pozidriv 2  Recommended Screw Pozidriv 3  Recommended Screw Pozid	Contact Position Indication	ON / OFF / TRIP
Mechanical Endurance 4000 cycle Number of Protected coles Number of Poles 1 Number of Poles I Number o	Energy Limiting Class	3
Aumber of Protected coles  Aumber of Poles  Aumber of Poles  Aumber of Poles  Autor Marking  Autouator Marking  Autouator Marking  Autouating on DIN Rail  Autouating on DIN Rail  Autouating Position  Autouating Position  Accommended Screw  Accommended Screw  Accessories Available  Autouating Aumont of Protected  Autouating Position  Autouating	Electrical Endurance	6000 cycle
Number of Poles Number of Pole	Mechanical Endurance	4000 cycle
Deervoltage Category  Deervoltage Category  Dightening Torque  3.5 N-m 3.1 in-lb Release Type  Release Type  Rousing Material  Rousing Material  Rounting 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 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 Rounting Position  Recommended Screw  Pozidriv 2 Driver  Recessories 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 mm² Rigid 0 70 mm²	Number of Protected Poles	1
Tightening Torque  3.5 N-m 31 in-lb Release Type  Release Type  Roctuator Marking  1 / O Housing Material  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 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 Recommended Screw Pozidriv 2 Priver Recessories Available 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 mm² Rigid 0 70 mm²	Number of Poles	1
Release Type  Actuator Marking  Housing Material  Mounting on DIN Rail  Mounting Position  Recommended Screw  Pozidriv 2  Corrier  Accessories Available  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 mm²  Rigid 0 70 mm²	Overvoltage Category	IV
Actuator Marking  Housing Material  Hounting 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 TH35-7.5 (	Tightening Torque	3.5 N·m 31 in·lb
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 Pozidriv 2 Driver Recessories 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 mm² Rigid 0 70 mm²	Release Type	В
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 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 Any Recommended Screw Pozidriv 2 Driver Accessories Available 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 mm² Rigid 0 70 mm²	Actuator Marking	1/0
TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715  Mounting Position  Any Recommended Screw Pozidriv 2  Oriver  Accessories Available 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 mm² Rigid 0 70 mm²	Housing Material	Insulation group I, RAL 7035
Recommended Screw Oriver  Accessories Available 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 mm² Rigid 0 70 mm²	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
Oriver  Accessories Available  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 mm² Rigid 0 70 mm²	Mounting Position	Any
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 <sup>2</sup> Rigid 0 70 mm <sup>2</sup>	Recommended Screw Driver	Pozidriv 2
enclosure with cover Cage terminal with captive screw  Connecting Capacity  Flexible 0 50 mm²  Rigid 0 70 mm²	Accessories Available	Yes
Rigid 0 70 mm <sup>2</sup>	Remarks	Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw
Ferminal Type Screw Terminals	Connecting Capacity	Flexible 0 50 mm² Rigid 0 70 mm²
	Terminal Type	Screw Terminals

Material Compliance	Mate	rial	Com	pliance
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RoHS Information	9AKK107680A3903
	2CCC005083D0202

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RoHS Status	Following EU Directive 2011/65/EU
RoHS Date	20170426
Conflict Minerals	9AKK108468A3363
Reporting Template	
(CMRT)	

Environmental	
Ambient Temperature	-2560 °C
Ambient Air Temperature	Operation -25 60 °C
Reference Ambient Air Temperature	acc. to IEC60947-2 30 °C acc. to EN60898-1 30 °C
Degree of Protection	IP20
Pollution Degree	3
Resistance to Vibrations	1 mm 2 - 13.2 Hz 0.7g with Load 100% x le 13.2 - 100 Hz
Environmental Information	2CCY413207D0203

Technical UL/CSA	
Interrupting Rating acc.	(240 V AC) 30 kA
to UL1077	(277 V AC) 14 kA
	(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
Size	1 module
Built-In Depth (t <sub>2</sub> )	82.5 mm
Dimension Diagram	2CCC413003C0201

Ordering	
Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	270 g
E-Number (Finland)	3212018
E-Number (Switzerland)	807025315

Certificates and Declarations	
Declaration of	2CCC005083D0202
Conformity - CE	

Instal	lation		
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Instructions and 2CCC413016M0008 Manuals

## **Popular Downloads**

Data Sheet, Technical	9AKK108468A9560
Information	9AKK108468A9561
	9AKK108468A9562

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

 $Low\ Voltage\ Products\ and\ Systems\ \rightarrow\ Modular\ DIN\ Rail\ Products\ \rightarrow\ High\ Performance\ Circuit\ Breakers\ HPCBs\ \rightarrow\ High\ Performance\ Circuit\ Breakers\ HPCBs$ 





