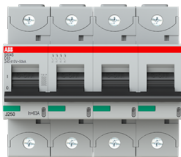




PRODUCT-DETAILS

S804S-C63

S804S-C63 High Performance MCB



General Information	
Extended Product Type:	S804S-C63
Product ID:	2CCS864001R0634
EAN:	7612271200923
Catalog Description:	S804S-C63 High Performance MCB
Long Description:	The S804S-C63 is a 4-pole High Performance Circuit breaker with C-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 S804S-C63 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 S804S-C63 more comfortable. Due to the fast arc extinction of S804S-C63 your application will be secured.
Display Name:	S804S-C63

ABB EcoSolutions	
Carbon Footprint:	Full Lifecycle 223.2 kg CO ₂ eq
ABB 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: 9AKK108470A1696

Technical

Type of Residual Current:	Standard Version
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 (500 V DC) 30 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs}):	(415 V AC) 40 kA (440 V AC) 22.5 kA (500 V AC) 11 kA (690 V AC) 4 kA (500 V DC) 30 kA
Contact Position Indication:	ON / OFF / TRIP
Energy Limiting Class:	3
Electrical Endurance:	6000 cycle
Mechanical Endurance:	4000 cycle
Number of Protected Poles:	4
Number of Poles:	4P
Tightening Torque:	3.5 N·m 31 in·lb
Release Type:	C
Actuator Marking:	I / O
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

Electrical

Tripping Characteristic:	C
Rated Operational Voltage:	acc. to IEC 60898-1 400 V AC acc. to IEC 60947-2 690 V AC
Operational Voltage:	Maximum 230/400 V AC Minimum 12 V AC
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):	63 A
Rated Short-Circuit Capacity:	(400 V AC) 25 kA
Frequency (f):	50 ... 60 Hz
Rated Frequency (f):	50/60 Hz
Power Loss:	Total 25.6 W at Rated Operating Conditions per Pole 6.4 W
Overvoltage Category:	IV

Design

Housing Material:	Insulation group I, RAL 7035
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Technical UL/CSA

Interrupting Rating acc. to UL1077:	(480Y / 277 V AC) 14 kA (600Y / 347 V AC) 6 kA
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Material Compliance

RoHS Declaration:	2CCC005083D0202
RoHS Information:	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date:	20211214
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

Ambient Air Temperature:	Operation -40 ... 70 °C Storage -40 ... 70 °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 1e 13.2 - 100 Hz
Environmental Information:	2CCY413207D0203

Dimensions

Width in Number of Modular Spacings:	6
Product Net Width:	106 mm
Product Net Height:	95 mm
Product Net Depth / Length:	82.5 mm
Product Net Weight:	980 g
Built-In Depth (t ₂):	82.5 mm
Dimension Diagram:	2CCC413003C0201

Engineering

EPLAN Data:	9AAC172534_EPLAN
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Ordering

Package Level 1 Units:	box 1 piece
Package Level 1 Gross Weight:	1010 g
E-Number (Finland):	3212186
E-Number (Norway):	1628792
E-Number (Switzerland):	807125335

Certificates and Declarations

CB Certificate:	9AKK107680A0857
CCC Certificate:	9AKK108469A3021
Declaration of Conformity - CE:	2CCC005083D0202
DNV GL Certificate:	2CCC413018D0201
ESTI Certificate:	2CCC413020D0101
LR Certificate:	2CCC413017D0201
RINA Certificate:	2CCC413019D0201
UL Certificate:	9AKK107680A2286
VDE Certificate:	2CCC413039D0601

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
Object Classification Code:	F
Standards:	IEC/EN 60947-2
	IEC/EN 60898-1
	UL 1077

Categories

Products > Low Voltage Products and Systems > Modular DIN Rail Products > High Performance Circuit Breakers HPCBs > High Performance Circuit Breakers HPCBs - S800

