

## PRODUCT-DETAILS

# S801S-K40

## S801S-K40 High Performance MCB



### General Information

Extended Product Type	S801S-K40
Product ID	2CCS861001R0557
EAN	7612271201500
Catalog Description	S801S-K40 High Performance MCB
Long Description	<p>The S801S-K40 is a 1-pole High Performance Circuit breaker with K-Characteristic, with cage terminal and a rated current of 40 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-K40 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-K40 more comfortable. Due to the fast arc extinction of S801S-K40 your application will be secured.</p>

### Technical

Standards	IEC/EN 60947-2, IEC/EN 60898-1, UL 1077
Tripping Characteristic	K
Type of Residual Current	standard version
Rated Voltage (U <sub>r</sub> )	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 60947-2 400 V AC acc. to IEC 60947-2 125 V DC acc. to IEC 60898-1 230/400 V AC
Rated Insulation Voltage	acc. to IEC/EN 60664-1 690 V

(U<sub>i</sub>)

Rated Impulse 8 kV

Withstand Voltage (U<sub>imp</sub>)

Input Voltage Type AC/DC

Rated Current (I<sub>n</sub>) 40 ARated Operational Current (I<sub>e</sub>) 40 A

Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> )	(240 / 415 V AC) 50 kA
	(254 / 440 V AC) 30 kA
	(400 / 690 V AC) 6 kA
	(125 V DC) 30 kA
	(230 V) 50 kA

Rated Conditional Short-Circuit Current (I <sub>nc</sub> )	(230 V) 50 kA
	(400 V) 50 kA

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

Frequency (f) 50 ... 60 Hz

Rated Frequency (f) 50...60 Hz

Power Loss 4.3 W  
at Rated Operating Conditions per Pole 4.3 W

Contact Position Indication ON / OFF / TRIP

Energy Limiting Class 3

Electrical Endurance 6000 cycle

6000 cycle

Number of Poles 1

Number of Protected Poles 1

Overvoltage Category IV

Tightening Torque 3.5 N·m  
31 in·lb

Release Type K

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	Rigid 0 ... 50 mm²
	Flexible 0 ... 70 mm²

Terminal Type Screw Terminals

## Environmental

Ambient Temperature -25...60 °C

Ambient Air Temperature Operation -25...60 °C

Reference Ambient Air Temperature	acc. to IEC60947-2 40 °C
	acc. to EN60898-1 40 °C

Degree of Protection IP20

Pollution Degree 3

Resistance to Vibrations acc. to IEC 60068-2-6 2 - 13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x Ie

RoHS Status Following EU Directive 2011/65/EU

Environmental 2CCY413207D0203

## Information

**Technical UL/CSA**

Interrupting Rating acc. to UL1077	(240 V AC) 30 kA (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
Product Net Length	27 mm
Size	1 module
Built-In Depth (t <sub>2</sub> )	82.5 mm

**Container Information**

Package Level 1 Units	box 1 piece
Package Level 1 Width	105 mm
Package Level 1 Height	99 mm
Package Level 1 Depth / Length	33 mm
Package Level 1 Gross Weight	270 g
Package Level 1 EAN	7612271201500

**Ordering**

Minimum Order Quantity	1 piece
Customs Tariff Number	85362010
E-Number (Finland)	3212302
E-Number (Switzerland)	807823315
Country of Origin	Switzerland (CH)

**Certificates and Declarations (Document Number)**

Declaration of Conformity - CE	2CCC005083D0202
Environmental Information	2CCY413207D0203
Instructions and Manuals	2CCC413016M0008
RoHS Information	9AKK107680A3903 2CCC005083D0202

**Popular Downloads**

Data Sheet, Technical Information	2CCC413003C0208
Instructions and Manuals	2CCC413016M0008

Classifications

ETIM 7	EC000042 - Miniature circuit breaker (MCB)
ETIM 8	EC000042 - Miniature circuit breaker (MCB)
EPLAN Catalog Tree	Electrical engineering / Protection devices / General
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

