



 PRODUCT-DETAILS

S801B-K40

High Performance MCB



General Information

Extended Product Type	S801B-K40
Product ID	2CCS811001R0557
EAN	7612271415723
Catalog Description	High Performance MCB

Long Description	<p>The S801B-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 16kA at 230/400V. It can be used for voltages up to 230/400V. It has two different tripping mechanisms, the thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. The S801B-K40 complies with IEC/EN 60947-2 and EN 60898-1 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 S801B-K40 more comfortable. Due to the fast arc extinction of S801B-K40 your application will be secured.</p>
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Technical

Standards	IEC/EN 60947-2 IEC/EN 60898-1
Tripping Characteristic	K

Rated Operational Voltage	acc. to IEC 60898-1 230 V AC acc. to IEC 60947-2 230 V AC
Rated Insulation Voltage (U _i)	acc. to IEC/EN 60664-1 500 V
Rated Impulse Withstand Voltage (U _{imp})	6 kV
Input Voltage Type	AC/DC
Rated Current (I _n)	40 A
Rated Short-Circuit Capacity	(230 / 400 V AC) 10 kA
Rated Ultimate Short-Circuit Breaking Capacity (I _{cu})	(230 V AC) 16 kA (75 V DC) 10 kA
Rated Service Short-Circuit Breaking Capacity (I _{cs})	(230 V AC) 10 kA (75 V DC) 10 kA
Frequency (f)	50...60 Hz
Rated Frequency (f)	50/60 Hz
Power Loss	3.7 W at Rated Operating Conditions per Pole 3.7 W
Contact Position Indication	ON / OFF / TRIP
Energy Limiting Class	3
Number of Protected Poles	1
Number of Poles	1
Overvoltage Category	III
Tightening Torque	3.5 N·m
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	Flexible 0 ... 50 mm ² Rigid 0 ... 70 mm ²
Terminal Type	Screw Terminals

Material Compliance

RoHS Information	9AKK107680A3903 2CCC005083D0202
RoHS Status	Following EU Directive 2011/65/EU
RoHS Date	20170426
REACH Declaration	9AKK108468A3036
REACH Information	False - does not contain substances > 0.1 mass percentage
REACH Date	20200527
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Environmental

Ambient Air Temperature	Operation -25 ... +60 °C Storage -40 ... +70 °C
Reference Ambient Air Temperature	acc. to IEC60947-2 40 °C
Degree of Protection	IP20
Pollution Degree	3
Environmental Information	2CCY413207D0203

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	240 g
Built-In Depth (t ₂)	82.5 mm

Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	260 g

Certificates and Declarations

CB Certificate	9AKK107680A0829 2CCC413030D0201
Declaration of Conformity - CE	2CCC005083D0202
ESTI Certificate	2CCC413031D0101
VDE Certificate	9AKK107680A0832

Installation

Instructions and Manuals	2CCC413016M0008
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Popular Downloads

Data Sheet, Technical Information	9AKK108468A9560 9AKK108468A9561 9AKK108468A9562
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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

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Categories

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

