



 PRODUCT-DETAILS

S802HV-K6

S802HV-K6 High Performance MCB



General Information

Extended Product Type	S802HV-K6
Product ID	2CCF019019R0001
EAN	7612271436674
Catalog Description	S802HV-K6 High Performance MCB

Long Description	<p>The S802HV-K6 is a 2-pole High Performance Circuit breaker with K-characteristic, with cage terminal, long separating plates and a rated current of 6 A. It is a current limiting device with a maximum breaking capacity of 4kA at 580/1000V. It has two different tripping mechanisms, the thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection.</p> <p>The S802HV-K6 complies with IEC/EN 60947-2 and allows the use for industrial applications. It can be used worldwide. The extensive range of accessory makes the use of S802HV-K6 more comfortable. Due to the fast arc extinction of S802HV-K6 your application will be secured.</p>
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ABB EcoSolutions

ABB EcoSolutions	Yes
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	9AKK108470A1695 9AKK108470A1696

Technical

Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(1000 V AC) 4 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(1000 V AC) 2.5 kA
Contact Position Indication	ON / OFF / TRIP
Energy Limiting Class	3
Number of Protected Poles	2
Number of Poles	2P
Tightening Torque	3.5 N·m
Release Type	K
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	K
Rated Operational Voltage	acc. to IEC 60947-2 1000 V AC
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 1000 V
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Input Voltage Type	AC
Rated Current (I_n)	6 A
Frequency (f)	60...60 Hz
Rated Frequency (f)	50/60 Hz
Power Loss	Total 3.6 W at Rated Operating Conditions per Pole 1.8 W
Overvoltage Category	III

Design

Housing Material	Insulation group I, RAL 7035
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Material Compliance

RoHS Declaration	2CCC005084D0202
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
Degree of Protection	IP20
Pollution Degree	2
Resistance to Vibrations	1 mm 2 - 13.2 Hz 0.7g with Load 100% x le 13.2 - 100 Hz
Resistance to Shock acc. to IEC 60068-2-27	5 g 30 ms
Environmental Information	2CCY413207D0203

Dimensions

Width in Number of Modular Spacings	3
Product Net Width	54 mm
Product Net Height	142 mm
Product Net Depth / Length	82.5 mm
Product Net Weight	490 g
Built-In Depth (t ₂)	82.5 mm

Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	580 g
E-Number (Sweden)	2100057

Certificates and Declarations

Declaration of Conformity - CE	2CCC005084D0202
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Installation

Instructions and Manuals	2CCC413016M0008
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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
IDEA Granular Category Code (IGCC)	4899 >> Miniature circuit breaker (MCB) screw-in model
Object Classification Code	F
Standards	IEC/EN 60947-2 UL 1077

Categories

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

