



 PRODUCT-DETAILS

S802HV-K20

S802HV-K20 High Performance MCB



General Information

Extended Product Type:	S802HV-K20
Product ID:	2CCF019024R0001
EAN:	7612271436728
Catalog Description:	S802HV-K20 High Performance MCB
Long Description:	The S802HV-K20 is a 2-pole High Performance Circuit breaker with K-characteristic, with cage terminal, long separating plates and a rated current of 20 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. The S802HV-K20 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-K20 more comfortable. Due to the fast arc extinction of S802HV-K20 your application will be secured.
Display Name:	S802HV-K20

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 mm²
Rigid 0 ... 70 mm²

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): 20 A

Frequency (f): 60...60 Hz

Rated Frequency (f): 50/60 Hz

Power Loss: Total 7 W
at Rated Operating Conditions per Pole 3.5 W

Overvoltage Category: III

Design

Housing Material: Insulation group I, RAL 7035

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 1e 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 (t₂): 82.5 mm

Ordering

Package Level 1 Units: box 1 piece

Package Level 1 Gross Weight: 580 g

Certificates and Declarations

Declaration of Conformity - CE: 2CCC005084D0202

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
UL 1077

Accessories

Identifier	Description	Type	Qty	Unit Of Measure
2CCF019047R0001	Self-resetting short-circuit limiter	S803HV-SCL32-SR	1	piece
2CCF019048R0001	Self-resetting short-circuit limiter	S803HV-SCL63-SR	1	piece
2CCF019049R0001	Self-resetting short-circuit limiter	S803HV-SCL100-SR	1	piece
2CCS800900R0501	Remote Switching unit	S800-RSU-H	1	piece
2CCS800900R0511	Remote Switching unit	S800W-RSU	1	piece
2CCS800900R0011	auxiliary contact	S800-AUX	1	piece
2CCS800900R0021	Auxiliary and signal contact	S800-AUX/ALT	1	piece
2CCS800900R0201	Shunt Operating Release	S800-SOR12	1	piece
2CCS800900R0191	Shunt Operating Release	S800-SOR24	1	piece
2CCS800900R0221	Shunt Operating Release	S800-SOR130	1	piece
2CCS800900R0211	Shunt Operating Release	S800-SOR250	1	piece

2CCS800900R0231	Shunt Operating Release	S800-SOR400	1	piece
2CCF019568R0001	Busbar	S804-BB250	1	piece
2CCF019569R0001	Busbar	S804-BBPC120	1	piece
2CCS800900R0071	Busbar	S803-BB250	1	piece
2CCS800900R0081	Busbar	S800-BBIC	1	pack
2CCS800900R0091	Busbar	S800-END	1	pack
2CCS800900R0101	Busbar	S803-BBPC120	1	piece
2CCF019562R0001	Busbar	S803-BB6	1	pack
1SDA060150R0001	Rotary drive/handle	S800-RHE-H	1	piece
1SDA060151R0001	Rotary drive/handle	S800-RHE-EM	1	piece
1SDA060179R0001	Rotary drive/handle	S800-RHE-S	1	piece
1SDA060180R0001	Rotary drive/handle	S800-RHE-IP54	1	piece
2CCS800900R0041	Rotary drive/handle	S800-RD	1	piece
2CCS800900R0241	Undervoltage release	S800-UVR36	1	piece
2CCS800900R0251	Undervoltage release	S800-UVR60	1	piece
2CCS800900R0271	Undervoltage release	S800-UVR250	1	piece
2CCS800900R0261	Undervoltage release	S800-UVR130	1	piece
2CCS800900R0561	Various - clips	S800-RAFIX Set Clips	1	pack
2CCS800900R0161	Various - interchangeable adapter kit	S800-RT2125	1	pack
2CCS800900R0131	Various - interchangeable adapter kit	S800-RT4125	1	pack
2CCS800900R0151	Various - interchangeable adapter kit	S800-CT4125	1	pack
2CCS800900R0181	Various - interchangeable adapter kit	S800-CT2125	1	pack
2CCS800900R0031	Various - intermediate plate	S800-IP9	1	piece
2CCS800900R0121	Various - labelling system	S800-ILS	1	piece
2CCS800900R0051	Various - padlock	S800-PLL	1	pack
2CCS800017R0001	Various - padlock for US	S800U-PLL	1	piece
2CCS800900R0562	Various - pole connector	S802-LINK125	1	pack
2CCS800900R0411	Various - pole connector	S802-LINK50	1	pack

Categories

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




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