



 PRODUCT-DETAILS

S803HV-K1

S803HV-K1 High Performance MCB



General Information

Extended Product Type	S803HV-K1
Product ID	2CCF020066R0001
EAN	7612271501327
Catalog Description	S803HV-K1 High Performance MCB
Long Description	S803HV-K1 3 Poles K Characteristic 1A 1.5 kA 580/1000 VAC High Performance Circuit Breaker HPCB

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) 1.5 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(1000 V AC) 1.5 kA
Contact Position Indication	ON / OFF / TRIP
Energy Limiting Class	3
Number of Protected Poles	3
Number of Poles	3P
Tightening Torque	3.5 N·m
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)	1 A
Rated Frequency (f)	50/60 Hz
Power Loss	Total 4.8 W at Rated Operating Conditions per Pole 1.6 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 7 - 13.2 Hz 0.7g with Load 100% x le 13.2 - 100 Hz
Environmental Information	2CCY413207D0203

Dimensions

Width in Number of Modular Spacings	4.5
Product Net Width	81 mm
Product Net Height	142 mm
Product Net Depth / Length	82.5 mm
Product Net Weight	720 g
Built-In Depth (t ₂)	82.5 mm

Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	850 g

Certificates and Declarations

Declaration of Conformity - CE	2CCC005084D0202
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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
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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
