

PRODUCT-DETAILS

S803HV-K8

S803HV-K8 High Performance MCB



General Information

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| Extended Product Type | S803HV-K8 |
| Product ID | 2CCF019034R0001 |
| EAN | 7612271436834 |
| Catalog Description | S803HV-K8 High Performance MCB |

Long Description

The S803HV-K8 is a 3-pole High Performance Circuit breaker with K-characteristic, with cage terminal, long separating plates and a rated current of 8 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 S803HV-K8 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 S803HV-K8 more comfortable. Due to the fast arc extinction of S803HV-K8 your application will be secured.

Technical

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| Standards | IEC/EN 60947-2, UL 1077 |
| Tripping Characteristic | K |
| Rated Voltage (U_r) | acc. to IEC 60947-2 580/1000 V AC acc. to IEC 60947-2 1000 V AC |
| Rated Operational Voltage | acc. to IEC 60898-1 400 V |
| Rated Insulation Voltage (U_i) | acc. to IEC/EN 60664-1 1000 V |

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| Rated Impulse Withstand Voltage (U_{imp}) | 8 kV |
| Input Voltage Type | AC |
| Rated Current (I_n) | 8 A |
| Rated Operational Current (I_e) | 8 A |
| Rated Short-Circuit Capacity | (400 V) 2.5 kA (230 V) 2.5 kA |
| Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}) | (230 V) 4 kA (400 V) 4 kA |
| Rated Conditional Short-Circuit Current (I_{nc}) | (230 V) 4 kA (400 V) 4 kA |
| Rated Service Short-Circuit Breaking Capacity (I_{cs}) | (580 / 1000 V AC) 2.5 kA |
| Frequency (f) | 60...60 Hz |
| Rated Frequency (f) | 50/60 Hz |
| Power Loss | 5.1 W at Rated Operating Conditions per Pole 1.7 W |
| Contact Position Indication | ON / OFF / TRIP |
| Energy Limiting Class | 3 |
| Number of Poles | 3 |
| Number of Protected Poles | 3 |
| 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 |

Environmental

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| Ambient Temperature | -25...60 °C |
| Ambient Air Temperature | Operation -25 ... 60 °C |
| Degree of Protection | IP20 |
| Pollution Degree | 2 |
| Resistance to Vibrations | 2 - 13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x Ie |

acc. to IEC 60068-2-6

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| Resistance to Shock acc. to IEC 60068-2-27 | 5 g 30 ms |
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| RoHS Status | Following EU Directive 2011/65/EU |
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| RoHS Information | 9AKK107680A3903 2CCC005084D0202 |
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| Environmental Information | 2CCY413207D0203 |
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| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363 |
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Dimensions

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

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| Minimum Order Quantity | 1 piece |
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| Package Level 1 Units | box 1 piece |
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| Package Level 1 Gross Weight | 850 g |
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Certificates and Declarations

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| Declaration of Conformity - CE | 2CCC005084D0202 |
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Installation

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| Instructions and Manuals | 2CCC413016M0008 |
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Popular Downloads

| | |
|--------------------------------------|-----------------|
| Data Sheet, Technical Information | 2CCC413003C0208 |
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Classifications

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| ETIM 8 | EC000042 - Miniature circuit breaker (MCB) |
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| ETIM 9 | EC000042 - Miniature circuit breaker (MCB) |
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| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
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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 → High Performance Circuit Breakers HPCBs

