

PRODUCT-DETAILS

S803HV-K10

S803HV-K10 High Performance MCB



General Information

Extended Product Type	S803HV-K10
Product ID	2CCF019035R0001
EAN	7612271436841
Catalog Description	S803HV-K10 High Performance MCB

Long Description

The S803HV-K10 is a 3-pole High Performance Circuit breaker with K-characteristic, with cage terminal, long separating plates and a rated current of 10 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-K10 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-K10 more comfortable. Due to the fast arc extinction of S803HV-K10 your application will be secured.

Technical

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

Rated Impulse Withstand Voltage (U_{imp})	8 kV
Input Voltage Type	AC
Rated Current (I_n)	10 A
Rated Operational Current (I_e)	10 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	4.5 W at Rated Operating Conditions per Pole 1.5 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

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

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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Technical UL/CSA

Interrupting Rating acc. to UL1077	(600 V AC) 15 KA
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Dimensions

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

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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E-Number (Sweden)	2100058
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Certificates and Declarations

Declaration of Conformity - CE	2CCC005084D0202
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Installation

Instructions and Manuals	2CCC413016M0008
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Popular Downloads

Data Sheet, Technical Information	2CCC413003C0208
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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	F

Categories

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

