

PRODUCT-DETAILS

S803S-K8 High Performance MCB



General Information	
deficial information	
Extended Product Type	S803S-K8
Product ID	2CCS863001R0407
EAN	7612271411466
Catalog Description	S803S-K8 High Performance MCB
Long Description	The S803S-K8 is a 3-pole High Performance Circuit breaker with K-Characteristic, with cage terminal and a rated current of 8 A. It is a current limiting device with a maximum breaking capacity of 50kA at 240/415V. It can be used for voltages up to 400/690V and in DC as well. It has two different tripping mechanisms, the thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. The S803S-K8 complies with IEC/EN 60947-2 and allows the use for industrial applications. It has numerous of approvals, therefore it can be used worldwide. The extensive range of accessory makes the use of S803S-K8 more comfortable. Due to the fast arc extinction of S803S-K8 your application will be secured.

Technical	
Standards	IEC/EN 60947-2, IEC/EN 60898-1, UL 1077
Tripping Characteristic	K
Rated Voltage (U _r)	acc. to IEC 60947-2 690 V AC acc. to IEC 60947-2 375 V DC acc. to IEC 60898-1 400 V AC
Rated Operational Voltage	acc. to IEC 60947-2 690 V AC acc. to IEC 60947-2 375 V DC acc. to IEC 60898-1 400 V AC
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 690 V
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Input Voltage Type	AC/DC

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Rated Current (I _n)	8 A
Rated Operational Current (I _e)	8 A
Rated Ultimate Short-	(240 / 415 V AC) 50 kA
Circuit Breaking Capacity	(254 / 440 V AC) 30 kA (400 / 690 V AC) 6 kA
(I _{cu})	(125 V DC) 30 kA
Date d Oard Street Ob and	(230 V) 50 kA
Rated Conditional Short- Circuit Current (I _{nc})	(230 V) 50 kA (400 V) 50 kA
Rated Service Short-	(240 / 415 V AC) 40 kA
Circuit Breaking Capacity (I _{cs})	(254 / 440 V AC) 22.5 kA (400 / 690 V AC) 4 kA
	(125 V DC) 30 kA
Frequency (f)	5050 Hz 5060 Hz
Rated Frequency (f) Power Loss	5060 HZ
	at Rated Operating Conditions per Pole 1.5 W
Contact Position Indication	ON / OFF / TRIP
Energy Limiting Class	3
Electrical Endurance	10000 cycle
Mechanical Endurance	10000 cycle
Number of Poles	3
Number of Protected Poles	3
Overvoltage Category	IV
Tightening Torque	3.5 N·m
Release Type	31 in·lb K
Actuator Marking	1/0
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 050 mm² Rigid 070 mm²
Terminal Type	Screw Terminals
Environmental	
Ambient Temperature	-2560 °C
Ambient Air Temperature	Operation -2560 °C
Reference Ambient Air	acc. to IEC60947-2 40 °C
Temperature Degree of Protection	acc. to EN60898-1 40 °C IP20
Pollution Degree	3
Resistance to Vibrations	2 - 13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x le
acc. to IEC 60068-2-6	_
RoHS Status	Following EU Directive 2011/65/EU
Environmental Information	2CCY413207D0203
Technical UL/CSA	
Interrupting Rating acc. to	(480Y / 277 V AC) 14 kA
monapung naung acc. to	(4001 / 27 / V AC) 14 KA

Dimensions

Modular Spacings Spacings		
Product Net Height	Width in Number of Modular Spacings	4.5
Product Net Depth / Length Resident Re		81 mm
Length	Product Net Height	95 mm
Product Net Weight 3,735.		82.5 mm
Size		735 a
Built-in Depth (t ₂)		
Package Level 1 Units		88.5 mm
Package Level 1 Units		
Package Level 1 Units	Container Information	
Package Level 1 Width 99 mr Package Level 1 Height 99 mr Package Level 1 Opth / Length 86 mr Length 770 mr Package Level 1 Gross 770 mr Weight 761227141146 Ordering Minimum Order Quantity 1 piece Customs Tariff Number 8536201 Country of Origin Switzerland (Ch Certificates and Declarations (Document Number) 2CCC0050830020 Certificates and Declarations (Document Number) 2CCC44130270020 Declaration of Conformity 2CCC44130270020 -CE Environmental Information 2CCV4130270020 Instructions and Manuels 2CCC413016M000 Popular Downloads 2CCC413016M000 Popular Downloads 2CCC413016M000 Dimension Diagram 2CCC413003C020 Instructions and Manuels 2CCC413003C020 Classifications Electrical engineering / Protection devices / General Control of the Control of		
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