

PRODUCT-DETAILS

S803S-K8-R

S803S-K8-R High Performance MCB



General Information

Extended Product Type	S803S-K8-R
Product ID	2CCS863002R0407
EAN	7612271411626
Catalog Description	S803S-K8-R High Performance MCB
Long Description	S803S-K8-R 3 Pole K Characteristic Ringlug 8A 50kA 240/415VAC High Performance Circuit Breaker HPCB

Technical

Standards	IEC/EN 60947-2 UL 1077
Number of Poles	3
Number of Protected Poles	3
Tripping Characteristic	K
Rated Current (I_n)	8 A
Rated Operational Voltage	400/690 V
Rated Voltage (U_r)	240/415 V
Power Loss	5.1 W at Rated Operating Conditions per Pole 1.7 W
Rated Insulation Voltage (U_i)	690 V AC
Rated Short-Circuit Capacity (I_{cn})	(400 V) 40 kA (230 V) 40 kA

Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(240 / 415 V AC) 50 kA (254 / 440 V AC) 30 kA (400 / 690 V AC) 6 kA (375 V DC) 30 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(240 / 415 V AC) 40 kA (254 / 440 V AC) 22.5 kA (400 / 690 V AC) 4 kA (375 V DC) 30 kA
Energy Limiting Class	3
Overvoltage Category	III
Pollution Degree	3
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Actuator Marking	I / O
Contact Position Indication	ON / OFF / TRIP
Degree of Protection	IP20
Connecting Capacity	Rigid 0 ... 50 mm ² Flexible 0 ... 70 mm ²
Built-In Depth (t_2)	82.5 mm

Environmental

Ambient Air Temperature	Operation -25...60 °C
Environmental Conditions	Damp Heat Cyclic acc. to IEC 60068-2-30 363 + 12 cycle Damp Heat Cyclic acc. to IEC 60068-2-30 55°C @ 90-96 % Damp Heat Cyclic acc. to IEC 60068-2-30 25°C @ 90-100 % Dry Heat Test B acc. to IEC 60068-2-2 16 hours @ 55 °C Dry Heat Test B acc. to IEC 60068-2-2 2 hours @ 70 °C
RoHS Status	Following EU Directive 2011/65/EU

Technical UL/CSA

Interrupting Rating acc. to UL1077	(480Y / 277 V AC) 14 kA (600Y / 347 V AC) 6 kA
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Dimensions

Product Net Width	81 mm
Product Net Depth / Length	82.5 mm
Product Net Height	142 mm
Product Net Weight	735 g

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	152 mm
Package Level 1 Depth / Length	86 mm
Package Level 1 Height	99 mm
Package Level 1 Gross Weight	790 g
Package Level 1 EAN	7612271411626

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362020

Certificates and Declarations (Document Number)	
Declaration of Conformity - CE	2CCC413016D0601
Environmental Information	2CCY413207D0203
Instructions and Manuals	2CCC413016M0008
RoHS Information	2CCC413016D0601 9AKK107680A3903

Popular Downloads	
Data Sheet, Technical Information	2CCC413003C0208
Instructions and Manuals	2CCC413016M0008
Dimension Diagram	2CCC413003C0201

Classifications	
Object Classification Code	F
ETIM 6	EC000042 - Miniature circuit breaker (MCB)
ETIM 7	EC000042 - Miniature circuit breaker (MCB)
ETIM 8	EC000042 - Miniature circuit breaker (MCB)

Categories

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

