

PRODUCT-DETAILS

# S803S-KM50

## S803S-KM50 High Performance MCB



### General Information

Extended Product Type	S803S-KM50
Product ID	2CCS863001R0576
EAN	7612271202231
Catalog Description	S803S-KM50 High Performance MCB
Long Description	S803S-KM50 High Performance Miniature Circuit Breaker 3 Poles KM Characteristic 50A 50kA 230AETBC400VAC

### Technical

Standards	IEC/EN 60947-2
Number of Poles	3
Number of Protected Poles	3
Tripping Characteristic	KM
Rated Current ( $I_n$ )	50 A
Rated Operational Voltage	400/690 V
Power Loss	12.9 W at Rated Operating Conditions per Pole 4.3 W
Rated Insulation Voltage ( $U_i$ )	690 V AC
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-	(240 / 415 V AC) 40 kA

Circuit Breaking Capacity (I <sub>cs</sub> )	(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	2
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	8 kV
Actuator Marking	I / O
Contact Position Indication	ON / OFF / TRIP
Degree of Protection	IP20
Connecting Capacity	Rigid 0 ... 50 mm <sup>2</sup> Flexible 0 ... 70 mm <sup>2</sup>
Built-In Depth (t <sub>2</sub> )	88.5 mm

## Environmental

Ambient Air Temperature	Operation -25...60 °C
Environmental Conditions	Damp Heat Cyclic acc. to IEC 60068-2-30 336 + 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

## Dimensions

Product Net Width	81 mm
Product Net Depth / Length	82.5 mm
Product Net Height	95 mm
Product Net Weight	735 g

## Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	105 mm
Package Level 1 Depth / Length	86 mm
Package Level 1 Height	99 mm
Package Level 1 Gross Weight	770 g
Package Level 1 EAN	7612271202231

## Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362020
E-Number (Switzerland)	807924315
E-Number (Finland)	3212400

## Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CCC413016D0601
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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)

## Categories

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

