PRODUCT-DETAILS

# S801S-K8

## Int. aut. S801S-K8 1p 8A K 50kA




### Información General

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|---|---|
| Extended Product Type | S801S-K8 |
| Product ID | 2CCS861001R0407 |
| EAN | 7612271411442 |
| Catalog Description | Int. aut. S801S-K8 1p 8A K 50kA |
| Long Description | The S801S-K8 is a 1-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 S801S-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 S801S-K8 more comfortable. Due to the fast arc extinction of S801S-K8 your application will be secured. |

### Technical

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| Standards | IEC/EN 60947-2<br>UL 1077 |
| Number of Poles | 1 |
| Number of Protected Poles | 1 |
| Tripping Characteristic | K |
| Rated Current ($I_n$) | 8 A |
| Rated Operational Voltage | 400/690 V AC<br>125 V DC |
| Power Loss | 1.5 W |

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| | at Rated Operating Conditions per Pole 1.5 W |
| Rated Insulation Voltage ($U_i$) | 690 V AC |
| Rated Frequency (f) | 50...60 Hz |
| Rated Short-Circuit Capacity ($I_{cn}$) | (400 V) 25 kA<br>(230 V) 25 kA |
| Rated Ultimate Short-Circuit Breaking Capacity ($I_{cu}$) | (240 / 415 V AC) 50 kA<br>(254 / 440 V AC) 30 kA<br>(400 / 690 V AC) 6 kA<br>(125 V DC) 30 kA |
| Rated Service Short-Circuit Breaking Capacity ($I_{cs}$) | (240 / 415 V AC) 40 kA<br>(254 / 440 V AC) 22.5 kA<br>(400 / 690 V AC) 4 kA<br>(125 V DC) 30 kA |
| Energy Limiting Class | 3 |
| Overvoltage Category | IV |
| Pollution Degree | 3 |
| Rated Impulse Withstand Voltage ($U_{imp}$) | 8 kV |
| Housing Material | Insulation group I, RAL 7035 |
| Actuator Marking | I / O |
| Contact Position Indication | ON / OFF / TRIP |
| Degree of Protection | IP20 |
| Remarks | Connection from top and bottom Connecting with CU only IP40 in enclosure with cover Cage terminal with captive screw |
| Electrical Endurance | 10000 cycle |
| | 10000 cycle |
| Terminal Type | Screw Terminals |
| Connecting Capacity | Rigid 0 ... 50 mm²<br>Flexible 0 ... 70 mm² |
| Tightening Torque | 3.5 N·m<br>31 in·lb |
| Recommended Screw Driver | Pozidriv 2 |
| Mounting on DIN Rail | TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715<br>TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 |
| Mounting Position | Any |
| Built-In Depth ($t_2$) | 82.5 mm |

## Ambiente

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| Ambient Air Temperature | Funcionamiento -25...60 °C |
| Reference Ambient Air Temperature | acc. to IEC60947-2 40 °C<br>acc. to EN60898-1 40 °C |
| Resistance to Vibrations acc. to IEC 60068-2-6 | 2 - 13.2 Hz / 1mm 13.2 - 100Hz / 0.7g with load 100% x Ie |
| Environmental Conditions | Damp Heat Cyclic acc. to IEC 60068-2-30 12+12 cycle<br>Damp Heat Cyclic acc. to IEC 60068-2-30 55°C @ 90-96%<br>Damp Heat Cyclic acc. to IEC 60068-2-30 25°C @ 90-100%<br>Dry Heat Test B acc. to IEC 60068-2-2 16 hour @ 55 °C<br>Dry Heat Test B acc. to IEC 60068-2-2 2 hour @ 70 °C |
| RoHS Status | Following EU Directive 2011/65/EU |

## Technical UL/CSA

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|---|---|
| Interrupting Rating acc. to UL1077 | (240 V AC) 30 kA<br>(277 V AC) 14 kA<br>(347 V AC) 6 kA |

## Dimensiones

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| Product Net Width | 27 mm |
| Product Net Depth / Length | 82.5 mm |
| Product Net Height | 95 mm |
| Product Net Weight | 245 g |

## Información de Embalaje

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|---|---|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 105 mm |
| Package Level 1 Depth / Length | 33 mm |
| Package Level 1 Height | 99 mm |
| Package Level 1 Gross Weight | 270 g |
| Package Level 1 EAN | 7612271411442 |

## Clasificación

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|---|---|
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85362020 |

## Certificados y Declaraciones (Número de Documento)

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|---|---|
| Declaration of Conformity - CE | 2CCC413016D0601 |
| Environmental Information | 2CCY413207D0203 |
| Instructions and Manuals | 2CCC413016M0008 |
| RoHS Information | 2CCC413016D0601<br>9AKK107680A3903 |

## Descargas Populares

| | |
|---|---|
| Data Sheet, Technical Information | 2CCC413003C0208 |
| Instructions and Manuals | 2CCC413016M0008 |
| Dimension Diagram | 2CCC413003C0201 |

## Clasificaciones

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

## Categorias

Productos y sistemas de baja tensión → Aparatos modulares de instalación → Interruptores automáticos alto rendimiento HPCBs

