



 PRODUCT-DETAILS

S804U-UCZ50

S804U-UCZ50 High Performance MCB



General Information

| | |
|-----------------------|---|
| Extended Product Type | S804U-UCZ50 |
| Product ID | 2CCS248362R0001 |
| EAN | 7612271420765 |
| Catalog Description | S804U-UCZ50 High Performance MCB |
| Long Description | S804U-UCZ50 4 Pole Z Characteristic 50A 10kA 600VDC High Performance Circuit Breaker HPCB |

ABB EcoSolutions

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|---|--|
| ABB EcoSolutions | Yes |
| EcoSolutions Profile | 9AKK108471A1082 |
| Recyclability Rate of the Product acc. to EN45555 | Design for Closing Resource Loops - Standard EN45555 - 86.29 % |
| ABB Site Meeting Group Waste To Landfill Target | No non-hazardous waste is sent to a landfill |
| End Of Life Disassembling Instructions | 9AKK108470A2575 |
| Environmental Product | 9AKK108470A1695,9AKK108470A1696 |

Declaration - EPD

Technical

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|---|---|
| Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}) | (415 V AC) 50 kA |
| Rated Service Short-Circuit Breaking Capacity (I_{cs}) | (415 V AC) 40 kA |
| Contact Position Indication | ON / OFF / TRIP |
| Energy Limiting Class | 3 |
| Number of Protected Poles | 4 |
| Number of Poles | 4P |
| Release Type | Other |
| Actuator Marking | I / O |
| Options Provided | Universal current |
| Accessories Available | Yes |
| Connecting Capacity | Flexible 0 ... 50 mm ² Rigid 0 ... 70 mm ² |

Electrical

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|---|---|
| Short-Circuit Current Rating (SCCR) | (600 V DC) 10 kA |
| Tripping Characteristic | Z |
| Rated Operational Voltage | UL489 600 V DC |
| Rated Insulation Voltage (U_i) | acc. to IEC/EN 60664-1 1500 V |
| Rated Impulse Withstand Voltage (U_{imp}) | 8 kV |
| Input Voltage Type | DC |
| Rated Current (I_n) | 50 A |
| Frequency (f) | 0...0 Hz |
| Rated Frequency (f) | 0 Hz |
| Power Loss | Total 6 W at Rated Operating Conditions per Pole 1.5 W |
| Overvoltage Category | III |

Technical UL/CSA

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|-----------------------------------|------------------|
| Interrupting Rating acc. to UL489 | (600 V DC) 10 kA |
|-----------------------------------|------------------|

Material Compliance

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|-------------------|--|
| RoHS Declaration | 2CCC005116D0201 |
| RoHS Information | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| RoHS Date | 20250625 |
| REACH Declaration | 9AKK108470A9089 |
| REACH Information | False - does not contain substances > 0.1 mass percentage |

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|---|--|
| REACH Date | 20250313 |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363 |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B | Business To Business |

Environmental

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|---------------------------|--|
| Ambient Air Temperature | Operation -25 ... +60 °C Storage -40 ... +70 °C |
| Degree of Protection | IP20 |
| Pollution Degree | 3 |
| Environmental Information | 2CCY413207D0203 |

Dimensions

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|-------------------------------------|---------|
| Width in Number of Modular Spacings | 6 |
| Product Net Width | 106 mm |
| Product Net Height | 142 mm |
| Product Net Depth / Length | 82.5 mm |
| Product Net Weight | 980 g |
| Built-In Depth (t ₂) | 82.5 mm |

Engineering

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|------------|------------------|
| EPLAN Data | 9AAF622589_EPLAN |
|------------|------------------|

Ordering

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|------------------------------|-------------|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Gross Weight | 1010 g |

Certificates and Declarations

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|--------------------------------|---------------------|
| CCC Certificate | CQC2007010307251328 |
| CEBEC Certificate | 9AKK108469A3550 |
| Declaration of Conformity - CE | 2CCC413009D0201 |
| DNV GL Certificate | 2CCC413018D0201 |
| UL Certificate | 9AKK108469A3551 |

Installation

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|--------------------------|----------------|
| Instructions and Manuals | 9AKK1074920410 |
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Popular Downloads

| | |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 9AKK108468A9560 |
| | 9AKK108468A9561 |
| | 9AKK108468A9562 |

External Classifications and Standards

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|------------------------------------|--|
| ETIM 9 | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 10 | EC000042 - Miniature circuit breaker (MCB) |
| UNSPSC | 39121603 |
| eClass | V11.0 : 27141901 |
| IDEA Granular Category Code (IGCC) | 4899 >> Miniature circuit breaker (MCB) screw-in model |
| Object Classification Code | F |
| Standards | UL 489 |

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → High Performance Circuit Breakers HPCBs → High Performance Circuit Breakers HPCBs - S800

