

PRODUCT-DETAILS

# S201M-C13

## S201M-C13 Miniature Circuit Breaker - 1P - C - 13 A



|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 0000        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 0000        | S201M-C13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 0000D       | 2CDS271001R0134                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 000000(EAN) | 4016779549998                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 0000        | S201M-C13 Miniature Circuit Breaker - 1P - C - 13 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 0000        | System pro M compact S200M miniature circuit breakers are current limiting. They have two different tripping mechanisms, the delayed thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. They are available in different characteristics (B,C,D,K,Z), configurations (1P,1P+N,2P,3P,3P+N,4P), breaking capacities (up to 10 kA at 230/400 V AC) and rated currents (up to 63A). All MCBs of the product range S200M comply with IEC/EN 60898-1 and IEC/EN 609 47-2, allowing the use for residential, commercial and industrial applications. Bottom-fitting auxiliary contact can be mounted on S200M to save 50% space. |

### ABB EcoSolutions

|                  |     |
|------------------|-----|
| ABB EcoSolutions | Yes |
|------------------|-----|

### Circular Value

|                              |                                                             |
|------------------------------|-------------------------------------------------------------|
| Circular Design Principles   | Design for Closing Resource Loops - Standard EN45555 - 90 % |
| Recyclability Rate           |                                                             |
| Sustainable Material Content | 0 %                                                         |
| Offered with Extended        | Product Durability                                          |

Lifetime

|                                |                         |
|--------------------------------|-------------------------|
| Offered with Takeback Services | Take Back for Recycling |
|--------------------------------|-------------------------|

Eco Transparency

|     |                 |
|-----|-----------------|
| EPD | 9AKK108467A7833 |
|-----|-----------------|

|                                                                                                                |                                                                                                               |
|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
|                                                                                                                |                                                                                                               |
|                                                                                                                | IEC/EN 60898-1<br>CSA 22.2 No. 235<br>IEC/EN 60947-2<br>UL 1077                                               |
|                                                                                                                | C                                                                                                             |
|                                                                                                                | acc. to IEC 60898-1 230 / 400 V AC<br>acc. to IEC 60947-2 230 V AC                                            |
|                                                                                                                | Maximum (Incl. Tolerance) 253 V AC<br>Maximum (Incl. Tolerance) 72 V DC<br>Minimum 12 V AC<br>Minimum 12 V DC |
| (U <sub>i</sub> )                                                                                              | acc. to IEC/EN 60664-1 440 V                                                                                  |
| (U <sub>imp</sub> )                                                                                            | 4 kV<br>at 2000 m 5 kV<br>at Sea Level 6.2 kV                                                                 |
|                                                                                                                | 50/60 Hz, 1 min: 2 kV                                                                                         |
|                                                                                                                | AC/DC                                                                                                         |
| (I <sub>n</sub> )                                                                                              | 13 A                                                                                                          |
|                                                                                                                | (AC) 10 kA<br>(230 / 400 V AC) 10 kA                                                                          |
| (I <sub>cu</sub> )                                                                                             | (133 V AC) 25 kA<br>(230 V AC) 15 kA                                                                          |
| (I <sub>nc</sub> )                                                                                             | (230 V) 15 kA                                                                                                 |
| (I <sub>cs</sub> )                                                                                             | (133 V AC) 18.8 kA<br>(230 V AC) 7.5 kA                                                                       |
| (f)                                                                                                            | 50 Hz                                                                                                         |
| (f)                                                                                                            | 50 / 60 Hz                                                                                                    |
|                                                                                                                | 2.3 W<br>at Rated Operating Conditions per Pole 2.3 W                                                         |
|                                                                                                                | Arbitrary                                                                                                     |
|                                                                                                                | Red ON / Green OFF                                                                                            |
|                                                                                                                | 3                                                                                                             |
|                                                                                                                | 20000 AC cycle                                                                                                |
|                                                                                                                | 20000 cycle                                                                                                   |
|                                                                                                                | 1                                                                                                             |
|                                                                                                                | 1                                                                                                             |
|                                                                                                                | III                                                                                                           |
|                                                                                                                | 2.8 N·m                                                                                                       |
|                                                                                                                | Failsafe Bi-directional Cylinder-lift Terminal                                                                |
|                                                                                                                | I / O                                                                                                         |
|                                                                                                                | Insulation Group II, Black, Sealable                                                                          |
|                                                                                                                | Insulation Group II, RAL 7035                                                                                 |
| 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 |                                                                                                               |
|                                                                                                                | any                                                                                                           |

|                       |                                                                        |
|-----------------------|------------------------------------------------------------------------|
| Accessories Available | Pozidriv 2                                                             |
|                       | Yes                                                                    |
|                       | Busbar 10 / 10 mm²                                                     |
|                       | Flexible with Ferrule 0.75 ... 25 mm²                                  |
|                       | Flexible 0.75 ... 25 mm²                                               |
|                       | Rigid 0.75 ... 35 mm²                                                  |
|                       | Stranded 0.75 ... 35 mm²                                               |
|                       | acc. to DIN 43880 1                                                    |
|                       | Screw Terminals                                                        |
|                       |                                                                        |
|                       |                                                                        |
|                       | Operation -25 ... +55 °C                                               |
|                       | Storage -40 ... +70 °C                                                 |
|                       | 30 °C                                                                  |
|                       | IP20                                                                   |
|                       | Enclosure with Cover IP40                                              |
|                       | 3                                                                      |
|                       | 28 cycles                                                              |
|                       | with 55 °C / 90-96 %                                                   |
|                       | and 25 °C / 95-100 %                                                   |
| IEC 60068-2-6         | 5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In                   |
| IEC 60068-2-27        | 25g 2 shocks 13 ms                                                     |
| RoHS                  | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| RoHS                  | 2CDK400003K0203                                                        |
| REACH Declaration     | 9AKK107492A1906                                                        |

UL/CSA

|        |                        |
|--------|------------------------|
| UL/CSA | 60 V DC                |
|        | 480Y/277 V AC          |
| UL1077 | (277 V AC) 6 kA        |
|        | (480Y / 277 V AC) 6 kA |
|        | (60 V DC) 10 kA        |
| UL/CSA | Busbar 14-8 AWG        |
|        | Conductor 14-4 AWG     |
| UL/CSA | 18 in-lb               |

|                    |                 |
|--------------------|-----------------|
|                    |                 |
| (100000)           | 1               |
|                    | 17.5 mm         |
|                    | 88 mm           |
|                    | 69 mm           |
|                    | 0.125 kg        |
|                    | 0.125 kg        |
| ( t <sub>2</sub> ) | 69 mm           |
|                    | 2CDC022007F0010 |

|        |                 |
|--------|-----------------|
|        |                 |
|        | 1 piece         |
| 100000 | carton 10 piece |

|                   |          |
|-------------------|----------|
| 1000 00           | 1.295 kg |
| E-Number (Sweden) | 2101209  |

|                                     |                 |
|-------------------------------------|-----------------|
| 0000000000                          |                 |
| 0000                                | EN<br>IEC       |
| 0000 - CE                           | 2CDK403001D0607 |
| Declaration of Conformity<br>- UKCA | 9AKK108467A5053 |
| I <sup>pt</sup> Characteristic      | 9AKK107992A5102 |

|              |                 |
|--------------|-----------------|
| Installation |                 |
| 000000       | 2CDS207104P0002 |

|                                |                 |
|--------------------------------|-----------------|
| Popular Downloads              |                 |
| 0000000000                     | 9AKK107046A0423 |
| I <sup>pt</sup> Characteristic | 9AKK107992A5102 |
| EPLAN0000                      | 9AKK106713A8095 |
| EPLAN0                         | 9AKK106713A8090 |

|                       |                                                                |
|-----------------------|----------------------------------------------------------------|
| 00                    |                                                                |
| ETIM 8                | EC000042 - Miniature circuit breaker (MCB)                     |
| ETIM 9                | EC000042 - Miniature circuit breaker (MCB)                     |
| EPLAN0000             | Electrical engineering / Protection devices / General          |
| EPLAN0000             | Circuit breaker / Single circuit breaker / Circuit breaker 1_2 |
| WEEE 00               | 5. Small Equipment (No External Dimension More Than 50 cm)     |
| WEEE B2C / B2B        | Business To Business                                           |
| CN8                   | 8536 20 90                                                     |
| UNSPSC                | 39121603                                                       |
| e0                    | V11.0 : 27141901                                               |
| IDEA 000000<br>(IGCC) | 4897 >> Miniature circuit breakers                             |
| 000000                | F                                                              |

Accessories

| Identifier      | Description                          | Type          | Quantity | Unit Of Measure |
|-----------------|--------------------------------------|---------------|----------|-----------------|
| 2CDS200922R0001 | S2C-S/H6R Signal / Auxiliary Contact | S2C-S/H6R     | 1        | piece           |
| 2CDS200912R0001 | S2C-H6R Auxiliary Contact            | S2C-H6R       | 1        | piece           |
| 2CDS200936R0001 | S2C-H11L Auxiliary Contact           | S2C-H11L      | 1        | piece           |
| 2CDS200936R0002 | S2C-H20L Auxiliary Contact           | S2C-H20L      | 1        | piece           |
| 2CDS200936R0003 | S2C-H02L Auxiliary Contact           | S2C-H02L      | 1        | piece           |
| 2CDS200946R0001 | S2C-H6-11R Auxiliary Contact         | S2C-H6-11R    | 1        | piece           |
| 2CDS200946R0002 | S2C-H6-20R Auxiliary Contact         | S2C-H6-20R    | 1        | piece           |
| 2CDS200946R0003 | S2C-H6-02R Auxiliary Contact         | S2C-H6-02R    | 1        | piece           |
| 2CDS200909R0001 | S2C-A1 Shunt Trip                    | S2C-A1        | 1        | piece           |
| 2CDS200909R0002 | S2C-A2 Shunt Trip                    | S2C-A2        | 1        | piece           |
| 2CSS200911R0001 | S2C-UA 12 DC Undervoltage release    | S2C-UA 12 DC  | 1        | piece           |
| 2CSS200911R0002 | S2C-UA 24 AC Undervoltage release    | S2C-UA 24 AC  | 1        | piece           |
| 2CSS200911R0003 | S2C-UA 48 AC Undervoltage release    | S2C-UA 48 AC  | 1        | piece           |
| 2CSS200911R0004 | S2C-UA 110 AC Undervoltage release   | S2C-UA 110 AC | 1        | piece           |
| 2CSS200911R0005 | S2C-UA 230 AC Undervoltage release   | S2C-UA 230 AC | 1        | piece           |
| 2CSS200911R0006 | S2C-UA 400 AC Undervoltage release   | S2C-UA 400 AC | 1        | piece           |
| 2CSS200911R0007 | S2C-UA 24 DC Undervoltage release    | S2C-UA 24 DC  | 1        | piece           |
| 2CSS200911R0008 | S2C-UA 48 DC Undervoltage release    | S2C-UA 48 DC  | 1        | piece           |
| 2CSS200911R0009 | S2C-UA 110 DC Undervoltage release   | S2C-UA 110 DC | 1        | piece           |
| 2CSS200911R0010 | S2C-UA 230 DC Undervoltage release   | S2C-UA 230 DC | 1        | piece           |
| 2CSS201997R0013 | S2C-CM1 Motor operating device       | S2C-CM1       | 1        | piece           |
| 2CSS203997R0013 | S2C-CM2/3 Motor operating device     | S2C-CM2/3     | 1        | piece           |
| 2CSS204997R0013 | S2C-CM4 Motor operating device       | S2C-CM4       | 1        | piece           |
| GHS2001901R0003 | S2C-DH Mechanical Accessories        | S2C-DH        | 1        | piece           |
| 2CSS200998R0001 | S2C-BP Mechanical tripping device    | S2C-BP        | 1        | piece           |
| 2CSS200999R0001 | S2C-EST Plug-in base                 | S2C-EST       | 1        | piece           |
| 2CDS200918R0001 | S2C-NT Hand Operated Neutral         | S2C-NT        | 1        | piece           |
| 2CCA880100R0001 | CMS-100PS Sensor                     | CMS-100PS     | 1        | piece           |
| 2CCA880101R0001 | CMS-101PS Sensor                     | CMS-101PS     | 1        | piece           |
| 2CCA880102R0001 | CMS-102PS Sensor                     | CMS-102PS     | 1        | piece           |

---




---

 →  → Miniature Circuit Breakers MCBs → 

