## **Components for system solutions**

MCB Miniature circuit breaker

## 8530/1-MCB-STA101-C25-500-2 Art. No. 294000



## Isolation function in accordance with EN60947-2

- Energy limitation class 3
- Simple replacement or expansion of your system thanks to a modular circuit breaker design
- Simple installation it snaps onto the mounting rail in Ex e enclosures
- · Non-adjustable thermal and magnetic releases
- Ergonomically shaped operating lever guarantees that the system can be switched on and off safely
- Padlocks (Accessories) provide protection against being switched on again during maintenance work

#### MY R. STAHL 8530A



R. STAHL 8530 series miniature circuit breakers are overcurrent devices that also provide good current limiting for short circuits and a high switching capacity of 10, 15 or 25 kA. This results in a low load on cables and a high selectivity for upstream fuses. The components have a modular design and are therefore available in 1- to 4-pole versions and for rated currents of 0.5-63 A. The maximum installation capacity is 4.5 subunits.

### **Technical Data**

| Explosion Protection                        |  |
|---|--|
| Application range (zones)                   | 1, 2   |
| Application range (Zone) note               | For use in Zone 21/22 when protected by Ex tb/tc enclosure                           |
| IECEx gas certificate                       | IECEx FMG 19.0029U   |
| IECEX gas certificate                       | IECEx FMG 19.0029U   |
| IECEx gas explosion protection              | Ex db eb IIC Gb  |
| ATEX gas certificate                        | FM19ATEX0191U  |
| ATEX gas certificate                        | FM19ATEX0191U  |
| ATEX gas explosion protection               | 🐼 II 2 G Ex db eb IIC Gb   |
| Certificates                                | ATEX (FM), Brazil (ULB), China (CQST), IECEx (FM)                                    |
| Declaration of conformity                   | Certificate of conformity (ATEX)   |
| Electrical Data                             |  |
| Rated operational voltage AC                | 230 V  |
| Rated operational current                   | 25 A   |
| Frequency                                   | 50/60 Hz   |
| Rated switching capacity                    | 10 kA  |
| Electrical service life                     | 2 x 10 <sup>4</sup>  |
| Mechanical service life                     | 2 x 10 <sup>4</sup>  |
| 1st auxiliary function                      | Auxiliary contact 1 change-over contact + fault signal contact 1 change-over contact |
| 1st auxiliary function for AC rated voltage | 230 V  |
| 1st auxiliary function for rated current    | 2 A  |
| max.  |  |
| 2nd auxiliary function                      | without  |
| 2nd auxiliary function voltage max. DC      | -  |
| Tripping characteristic                     | С  |
| No. of poles                                | 1-pole   |



## 8530/1-MCB-STA101-C25-500-2 Art. No. 294000

| Ambient | Conditions |
|---------|------------|

| Ambient temperature       -13° F +131° F         Ambient temperature note       Deviating ambient temperatures based on current certificates available on request         Mechanical Data       Degree of protection (IP) (IEC 60529)         Degree of protection (IP) (IEC 60529)       IP2X         Enclosure material       Thermoplast         Connection cross-section max.       25 mm²         Connection cross-section AWG min.       16 AWG         ACROSS       4 AWG         Connection cross-section 2 min.       1.5 mm²         Connection cross-section 2 max.       10 mm²         Connection cross-section 2 MWG min.       16 AWG         Connection cross-section 2 MWG min.       16 AWG         Connection cross-section 2 AWG min.       16 AWG         Connection cross-section 2 AWG min.       16 AWG         Connection cross-section 2 AWG min.       16 AWG         Connection cross-section 1 availiary       0.5 mm²         contact AWG min.       18 AWG         Connection cross-section of auxiliary       0.5 mm²         contact AWG max.       4 mm³         Connection cross-section of auxiliary       14         contact AWG max.       3 Nm         Connection cross-section note       2-conductor connection (upper and lower chamber at the same time):   | Ambient Conditions                         |  |
|--|--|--|
| Ambient temperature note         Deviating ambient temperatures based on current certificates available on request           Mechanical Data         Degree of protection (IP) (IEC 60529)         IP2X           Enclosure material         Thermoplast         Connection cross-section max.         25 mm²           Connection cross-section AWG min.         1.5 mm²         Connection cross-section 2 MWG min.         16 AWG           Connection cross-section 2 max.         10 mm²         Connection cross-section 2 MWG min.         16 AWG           Connection cross-section 2 AWG min.         16 AWG         Connection cross-section 2 MWG min.         16 AWG           Connection cross-section 2 AWG max.         8 AWG         Connection cross-section 3 AWG max.         8 AWG           Connection cross-section of auxiliary         0.5 mm²         Connection cross-section 3 AWG max.         8 AWG           Connection cross-section of auxiliary         0.5 mm²         Connection cross-section 3 AWG max.         8 AWG           Connection cross-section of auxiliary         0.5 mm²         Connection cross-section 3 AWG max.         8 AWG           Connection cross-section of auxiliary         14         Connection cross-section of auxiliary         14           Connection cross-section of auxiliary         14         Connection cross-section act auxiliary         14           Max. tightening torque | Ambient temperature                        | -25 °C 55 °C   |
| Machanical Data         IP2X           Degree of protection (IP) (IEC 60529)         IP2X           Enclosure material         Thermoplast           Connection cross-section max.         25 mm²           Connection cross-section AWG min.         16 AWG           Connection cross-section 2 min.         1.5 mm²           Connection cross-section 2 min.         1.5 mm²           Connection cross-section 2 max.         10 mm²           Connection cross-section 2 AWG max.         8 AWG           Connection cross-section 2 AWG max.         8 AWG           Connection cross-section 2 AWG max.         8 AWG           Connection cross-section 4 auXiliary         0.5 mm²           Connection cross-section of auXiliary         0.5 mm²           Connection cross-section of auXiliary         0.5 mm²           Connection cross-section of auXiliary         14           Connection cross-section of auXiliary         14           Connection cross-section not         2 Nm           Max. tightening torque         3 Nm           Connection cross-section note         2-conductor connection (upper and lower chamber at the same time):<br>- upper and lower chamber max. 16 / 10 mm² (A maximum difference of one cross section may be clamped between the upper and lower chamber.)           The permitted combinations of connection cross-sections can be found in the opera  | Ambient temperature                        | -13°F +131°F   |
| Degree of protection (IP) (IEC 60529)         IP2X           Enclosure material         Thermoplast           Connection cross-section max.         25 mm²           Connection cross-section AWG min.         16 AWG           ACROSS         4 AWG           Connection cross-section AWG min.         15 mm²           Connection cross-section 2 max.         10 mm²           Connection cross-section 2 AWG min.         16 AWG           Connection cross-section 2 AWG max.         8 AWG           Connection cross-section 2 AWG max.         8 AWG           Connection cross-section 2 AWG max.         8 AWG           Connection cross-section 4 mm²         0.5 mm²           connection cross-section of auxiliary         0.5 mm²           connection cross-section of auxiliary         0.5 mm²           connection cross-section of auxiliary         14           Connection cross-section of auxiliary         14           Connection cross-section auxiliary         2 Nm           Max. tightening torque         2 Nm           Max. tightening torque         3 Nm           Connection cross-section note         2-conductor connection (upper and lower chamber at the same time):           - upper and lower chamber max. 16 / 10 mm² (A maximum difference of one cross section may be clamped between the upper and lower chamber.)   | Ambient temperature note                   | Deviating ambient temperatures based on current certificates available on request  |
| Connection processection max.       Thermoplast         Connection cross section max.       25 mm²         Connection cross-section AWG min.       16 AWG         ACROSS       4 AWG         Connection cross-section 2 max.       10 mm²         Connection cross-section 2 max.       10 mm²         Connection cross-section 2 MWG min.       16 AWG         Connection cross-section 2 AWG max.       8 AWG         Connection cross-section 2 AWG max.       8 AWG         Connection cross-section a AWG max.       8 AWG         Connection cross-section a AWG max.       8 AWG         Connection cross-section a AWG max.       8 AWG         Connection cross-section of auxiliary       0.5 mm²         contact min.       Max. aux. cont. cont. cr-sec.         4 mm²       Connection cross-section of auxiliary         connection cross-section of auxiliary       14         connection cross-section of auxiliary       14         connection cross-section note       2-conductor connection (upper and lower chamber at the same time):<br>- upper and lower chamber max. 16 / 10 mm² (A maximum difference of one cross section<br>may be clamped between the upper and lower chamber.)         The permitted combinations of connection cross-section can be found in the operating<br>instructions.       Midth         Width       65 mm       65 in   | Mechanical Data                            |  |
| Connection cross section max.       25 mm²         Connection cross-section AWG min.       16 AWG         ACROSS       4 AWG         Connection cross-section 2 min.       1.5 mm²         Connection cross-section 2 max.       10 mm²         Connection cross-section 2 AWG min.       16 AWG         Connection cross-section 2 AWG min.       16 AWG         Connection cross-section 2 AWG min.       16 AWG         Connection cross-section 2 AWG min.       8 AWG         Connection cross-section of auxiliary       0.5 mm²         contact min.       0.5 mm²         Max. aux. cont. conn. cr-sec.       4 mm²         Connection cross-section of auxiliary       18         Connection cross-section of auxiliary       14         Connection cross-section of auxiliary       14         Connection cross-section note       2.0 m         Max. tightening torque       2 Nm         Max. tightening torque       3 Nm         Connection cross-section note       2-conductor connection cross-section scan be found in the operating instructions.         Width       66 mm         Width, inches       2.56 in         Length       165 mm         Length in inches       6.5 in         Depth of cut-out       138.3 mm   | Degree of protection (IP) (IEC 60529)      | IP2X   |
| Connection cross-section max.       25 mm²         Connection cross-section AWG min.       16 AWG         ACROSS       4 AWG         Connection cross-section 2 max.       10 mm²         Connection cross-section 2 AWG max.       10 mm²         Connection cross-section 2 AWG max.       8 AWG         Connection cross-section of auxiliary       0.5 mm²         Connection cross-section of auxiliary       18         Connection cross-section of auxiliary       18         Connection cross-section of auxiliary       14         Connection cross-section of auxiliary       14         Connection cross-section note       2 Nm         Max. tightening torque       2 Nm         Connection cross-section note       2-conductor connection (upper and lower chamber at the same time):<br>- upper and lower chamber max. 16 / 10 mm² (A maxinum difference of one cross section<br>may be clamped between the upper and lower chamber.)         Width       65 mm         Width       65 mm         Length       155 mm         Length in inches       5.44 in<  | Enclosure material                         | Thermoplast  |
| Connection cross-section AWG min.       16 AWG         ACROSS       4 AWG         Connection cross-section 2 min.       1.5 mm²         Connection cross-section 2 AWG min.       16 AWG         Connection cross-section 2 AWG min.       16 AWG         Connection cross-section 2 AWG max.       8 AWG         Connection cross-section 1 auxiliary       0.5 mm²         contact min.       Max. aux. cont. conn. cr.sec.       4 mm²         Connection cross-section of auxiliary       0.5 mm²       0.5 mm²         contact AWG min.       18       0.5 mm²         Connection cross-section of auxiliary       18       0.5 mm²         contact AWG max.       14       0.5 mm²         Connection cross-section of auxiliary       14       0.5 mm²         contact AWG max.       14       0.5 mm²         Connection cross-section note       2-conductor connection (upper and lower chamber at the same time):<br>- upper and lower chamber max. 16 / 10 mm² (A maximum difference of one cross section may be clamped between the upper and lower chamber.)         The permitted combinations of connection cross-sections can be found in the operating instructions.       165 mm         Width       65 mm       65 mm         Width, inches       2.56 in       18 a mm         Length       165 mm       18 a mm <td>Connection cross section min.</td> <td>1.5 mm<sup>2</sup></td>   | Connection cross section min.              | 1.5 mm <sup>2</sup>  |
| ACROSS       4 AWG         Connection cross-section 2 min.       1.5 mm²         Connection cross-section 2 max.       10 mm²         Connection cross-section 2 AWG min.       16 AWG         Connection cross-section 2 AWG max.       8 AWG         Connection cross-section 0 auxiliary<br>contact min.       0.5 mm²         Connection cross-section of auxiliary<br>contact AWG min.       0.5 mm²         Connection cross-section of auxiliary<br>contact AWG max.       14         Connection cross-section of auxiliary<br>contact AWG max.       14         Connection cross-section of auxiliary<br>contact AWG max.       2 Nm         Min. tightening torque       2 Nm         Max. tightening torque       3 Nm         Connection cross-section note       2-conductor connection (upper and lower chamber at the same time):<br>- upper and lower chamber max. 16 / 10 mm² (A maximum difference of one cross section<br>may be clamped between the upper and lower chamber.)         The permitted combinations of connection cross-sections can be found in the operating<br>instructions.         Width       65 mm         Width, inches       2.56 in         Length in inches       6.5 in         Depth of cut-out       138.3 mm         Mounting depth in inches       5.44 in         Weight       1 kg         Weight       1 kg   | Connection cross-section max.              | 25 mm <sup>2</sup>   |
| Connection cross-section 2 min.1.5 mm²Connection cross-section 2 AWG min.10 AWGConnection cross-section 2 AWG min.8 AWGConnection cross-section of auxiliary<br>contact min.0.5 mm²Max. aux. cont. con. cr-sec.4 mm²Connection cross-section of auxiliary<br>contact AWG min.18Connection cross-section of auxiliary<br>contact AWG min.14Connection cross-section of auxiliary<br>contact AWG max.14Connection cross-section of auxiliary<br>contact AWG max.14Connection cross-section not<br>max.2 NmConnection cross-section note2-conductor connection (upper and lower chamber at the same time):<br>- upper and lower chamber max. 16 / 10 mm² (A maximum difference of one cross section<br>may be clamped between the upper and lower chamber.)The permitted combinations of connection cross-sections can be found in the operating<br>instructions.Width65 mmWidth, inches2.56 inLength165 mmLength165 mmLength1 kgWeight1 kgWeight1 kgWeight1 kgWeight1 kgWeight2-20 lbMunting depth in inches5.44 inTightening torque bit in17.7 to 26.6 lbf-inTightening torque auxiliary contact0.4 – 0.6 Nm  | Connection cross-section AWG min.          | 16 AWG   |
| Connection cross-section 2 max.       10 mm²         Connection cross-section 2 AWG min.       16 AWG         Connection cross-section 2 AWG max.       8 AWG         Connection cross-section of auxiliary       0.5 mm²         Max. aux. cont. conn. crsec.       4 mm²         Connection cross-section of auxiliary       18         Connection cross-section of auxiliary       18         Connection cross-section of auxiliary       14         Connection cross-section of auxiliary       14         Connection cross-section note       2 Nm         Max. tightening torque       3 Nm         Connection cross-section note       2-conductor connection (upper and lower chamber at the same time):<br>- upper and lower chamber max. 16 / 10 mm² (A maximum difference of one cross section<br>may be clamped between the upper and lower chamber at the same time):<br>- upper and lower chamber max. 16 / 10 mm² (A maximum difference of one cross section<br>may be clamped between the upper and lower chamber.)         Width       65 mm         Width       65 mm         Width       65 mm         Uength       165 mm         Length       165 mm         Length       165 mm         Length       183 mm         Mounting depth in inches       5.44 in         Weight       1 kg         Weight       1  | ACROSS                                     | 4 AWG  |
| Connection cross-section 2 AWG min.       16 AWG         Connection cross-section of auxiliary<br>contact min.       0.5 mm²         Max. aux. cont. conn. crsec.       4 mm²         Connection cross-section of auxiliary<br>contact AWG min.       18         Connection cross-section of auxiliary<br>contact AWG max.       14         Connection cross-section of auxiliary<br>contact AWG max.       14         Connection cross-section of auxiliary<br>contact AWG max.       3 Nm         Connection cross-section note       2 Nm         Min. tightening torque       3 Nm         Connection cross-section note       2-conductor connection (upper and lower chamber at the same time):<br>- upper and lower chamber max. 16 / 10 mm² (A maximum difference of one cross section<br>may be clamped between the upper and lower chamber.)         The permitted combinations of connection cross-sections can be found in the operating<br>instructions.         Width       65 mm         Width.       65 mm         Uength       165 mm         Length       65 m         Depth of cut-out       138.3 mm         Mounting depth in inches       5.44 in         Weight       1 kg         Weight       1 kg         Weight       2.05 lb         Mounting / Installation       17.7 to 26.6 lbf-in         Tightening torque bf in       <   | Connection cross-section 2 min.            | 1.5 mm <sup>2</sup>  |
| Connection cross-section 2 AWG max.         8 AWG           Connection cross-section of auxiliary<br>contact min.         0.5 mm²           Max. aux. cont. conn. crsec.         4 mm²           Connection cross-section of auxiliary<br>contact AWG min.         18           Connection cross-section of auxiliary<br>contact AWG max.         14           Connection cross-section of auxiliary<br>contact AWG max.         2 Nm           Min. tightening torque         3 Nm           Connection cross-section note         2-conductor connection (upper and lower chamber at the same time):<br>- upper and lower chamber max. 16 / 10 mm² (A maximum difference of one cross section<br>may be clamped between the upper and lower chamber.)           The permitted combinations of connection cross-sections can be found in the operating<br>instructions.           Width         65 mm           Width, inches         2.56 in           Length         165 mm           Length         18.3 mm           Mounting depth in inches         5.44 in           Weight         1 kg           Weight         1 kg           Weight         1 kg           Weight         1 kg           Tightening torque         2 – 3 Nm           Tightening torque bf in         17.7 to 26.6 lbf-in           Tightening torque auxiliary contact         0.4 – 0.6 Nm <td>Connection cross-section 2 max.</td> <td>10 mm<sup>2</sup></td>                   | Connection cross-section 2 max.            | 10 mm <sup>2</sup>   |
| Connection cross-section of auxiliary<br>contact min.       0.5 mm²         Max. aux. cont. conn. crsec.       4 mm²         Connection cross-section of auxiliary<br>contact AWG min.       18         Connection cross-section of auxiliary<br>contact AWG max.       14         Min. tightening torque       2 Nm         Max. tightening torque       3 Nm         Connection cross-section note       2-conductor connection (upper and lower chamber at the same time):<br>- upper and lower chamber max. 16 / 10 mm² (A maximum difference of one cross section<br>may be clamped between the upper and lower chamber.)         The permitted combinations of connection cross-sections can be found in the operating<br>instructions.         Width       65 mm         Length       165 mm         Length       165 mm         Length       165 mm         Length       183.3 mm         Mounting depth in inches       5.44 in         Weight       1 kg         Weight       1 kg         Weight       2.05 lb         Mounting / Installation       17.7 to 26.6 lbf-in         Tightening torque auxiliary contact       0.4 – 0.6 Nm   | Connection cross-section 2 AWG min.        | 16 AWG   |
| contact min.         4 mm²           Max. aux. cont. conn. crsec.         4 mm²           Connection cross-section of auxiliary<br>contact AWG min.         18           Connection cross-section of auxiliary<br>contact AWG max.         14           Min. tightening torque         2 Nm           Max. tightening torque         3 Nm           Connection cross-section note         2-conductor connection (upper and lower chamber at the same time):<br>- upper and lower chamber max. 16 / 10 mm² (A maximum difference of one cross section<br>may be clamped between the upper and lower chamber.)           Width         65 mm           Width, inches         2.56 in           Length         165 mm           Length of cut-out         138.3 mm           Mounting depth in inches         5.44 in           Weight         2.020 Ib           Mounting / Installation         2.020 Ib           Mounting lorque         2 - 3 Nm           Tightening torque         2 - 3 Nm           Tightening torque usiliary contact         0.4 - 0.6 Nm   | Connection cross-section 2 AWG max.        | 8 AWG  |
| Connection cross-section of auxiliary contact AWG min.       18         Connection cross-section of auxiliary contact AWG max.       14         Min. tightening torque       2 Nm         Max. tightening torque       3 Nm         Connection cross-section note       2-conductor connection (upper and lower chamber at the same time): <ul> <li>upper and lower chamber max. 16 / 10 mm² (A maximum difference of one cross section may be clamped between the upper and lower chamber.)</li> <li>The permitted combinations of connection cross-sections can be found in the operating instructions.</li> </ul> Width       65 mm         Width, inches       2.56 in         Length       165 mm         Length       165 mm         Depth of cut-out       138.3 mm         Mounting depth in inches       5.44 in         Weight       1 kg         Weight       1 kg         Weight       1 kg         Tightening torque       2 -3 Nm         Tightening torque lbf in       17.7 to 26.6 lbf-in         Tightening torque auxiliary contact       0.4 – 0.6 Nm  |  | 0.5 mm <sup>2</sup>  |
| contact AWG min.14Connection cross-section of auxiliary<br>contact AWG max.14Min. tightening torque2 NmMax. tightening torque3 NmConnection cross-section note2-conductor connection (upper and lower chamber at the same time):<br>- upper and lower chamber max. 16 / 10 mm² (A maximum difference of one cross section<br>may be clamped between the upper and lower chamber.)Width65 mmWidth, inches2.56 inLength165 mmLength165 mmDepth of cut-out138.3 mmMounting depth in inches5.44 inWeight1 kgWeight1 kgWeight1 cos bMounting torque2 - 3 NmTightening torque lbf in17.7 to 26.6 lbf-inTightening torque auxiliary contact0.4 - 0.6 Nm   | Max. aux. cont. conn. crsec.               | 4 mm <sup>2</sup>  |
| contact AWG max.Min. tightening torque2 NmMax. tightening torque3 NmConnection cross-section note2-conductor connection (upper and lower chamber at the same time):<br>- upper and lower chamber max. 16 / 10 mm² (A maximum difference of one cross section<br>may be clamped between the upper and lower chamber.)<br>The permitted combinations of connection cross-sections can be found in the operating<br>instructions.Width65 mmWidth, inches2.56 inLength165 mmLength in inches6.5 inDepth of cut-out138.3 mmMounting depth in inches5.44 inWeight1 kgWeight2.205 lbMounting forque2 - 3 NmTightening torque2 - 3 NmTightening torque auxiliary contact0.4 - 0.6 Nm   | -  | 18   |
| Max. tightening torque       3 Nm         Connection cross-section note       2-conductor connection (upper and lower chamber at the same time):<br>- upper and lower chamber max. 16 / 10 mm² (A maximum difference of one cross section<br>may be clamped between the upper and lower chamber.)         The permitted combinations of connection cross-sections can be found in the operating<br>instructions.         Width       65 mm         Width, inches       2.56 in         Length       165 mm         Length in inches       6.5 in         Depth of cut-out       138.3 mm         Mounting depth in inches       5.44 in         Weight       1 kg         Weight       2.205 lb         Mounting / Installation       17.7 to 26.6 lbf-in         Tightening torque       0.4 - 0.6 Nm   | -  | 14   |
| Connection cross-section note       2-conductor connection (upper and lower chamber at the same time): <ul> <li>upper and lower chamber max. 16 / 10 mm² (A maximum difference of one cross section may be clamped between the upper and lower chamber.)</li> <li>The permitted combinations of connection cross-sections can be found in the operating instructions.</li> </ul> Width         65 mm           Width, inches         2.56 in           Length         165 mm           Length in inches         6.5 in           Depth of cut-out         138.3 mm           Mounting depth in inches         5.44 in           Weight         1 kg           Weight         2.205 lb           Mounting / Installation         17.7 to 26.6 lbf-in           Tightening torque auxiliary contact         0.4 – 0.6 Nm   | Min. tightening torque                     | 2 Nm   |
| - upper and lower chamber max. 16 / 10 mm² (A maximum difference of one cross section<br>may be clamped between the upper and lower chamber.)The permitted combinations of connection cross-sections can be found in the operating<br>instructions.Width65 mmWidth, inches2.56 inLength165 mmLength165 mmDepth of cut-out138.3 mmMounting depth in inches5.44 inWeight1 kgWeight2.205 lbMounting / InstallationTightening torque2 - 3 NmTightening torque auxiliary contact0.4 - 0.6 Nm  | Max. tightening torque                     | 3 Nm   |
| Width, inches2.56 inLength165 mmLength in inches6.5 inDepth of cut-out138.3 mmMounting depth in inches5.44 inWeight1 kgWeight2.205 lbMounting torque2 – 3 NmTightening torque lbf in17.7 to 26.6 lbf-inTightening torque auxiliary contact0.4 – 0.6 Nm   | Connection cross-section note              | <ul> <li>upper and lower chamber max. 16 / 10 mm<sup>2</sup> (A maximum difference of one cross section may be clamped between the upper and lower chamber.)</li> <li>The permitted combinations of connection cross-sections can be found in the operating</li> </ul> |
| Length165 mmLength in inches6.5 inDepth of cut-out138.3 mmMounting depth in inches5.44 inWeight1 kgWeight2.205 lbMounting / InstallationTightening torque2 – 3 NmTightening torque lbf in17.7 to 26.6 lbf-inTightening torque auxiliary contact0.4 – 0.6 Nm  | Width                                      | 65 mm  |
| Length165 mmLength in inches6.5 inDepth of cut-out138.3 mmMounting depth in inches5.44 inWeight1 kgWeight2.205 lbMounting torque2 - 3 NmTightening torque lbf in17.7 to 26.6 lbf-inTightening torque auxiliary contact0.4 - 0.6 Nm   | Width, inches                              |  |
| Length in inches6.5 inDepth of cut-out138.3 mmMounting depth in inches5.44 inWeight1 kgWeight2.205 lbMounting / InstallationTightening torque2 - 3 NmTightening torque lbf in17.7 to 26.6 lbf-inTightening torque auxiliary contact0.4 - 0.6 Nm  |  | 165 mm   |
| Mounting depth in inches5.44 inWeight1 kgWeight2.205 lbMounting / Installation2 – 3 NmTightening torque2 – 3 NmTightening torque lbf in17.7 to 26.6 lbf-inTightening torque auxiliary contact0.4 – 0.6 Nm  | Length in inches                           | 6.5 in   |
| Mounting depth in inches5.44 inWeight1 kgWeight2.205 lbMounting / Installation2 – 3 NmTightening torque2 – 3 NmTightening torque lbf in17.7 to 26.6 lbf-inTightening torque auxiliary contact0.4 – 0.6 Nm  |  |  |
| Weight1 kgWeight2.205 lbMounting / Installation2 – 3 NmTightening torque2 – 3 NmTightening torque lbf in17.7 to 26.6 lbf-inTightening torque auxiliary contact0.4 – 0.6 Nm   | Mounting depth in inches                   | 5.44 in  |
| Weight     2.205 lb       Mounting / Installation       Tightening torque     2 – 3 Nm       Tightening torque lbf in     17.7 to 26.6 lbf-in       Tightening torque auxiliary contact     0.4 – 0.6 Nm   |  |  |
| Mounting / Installation         Tightening torque       2 – 3 Nm         Tightening torque lbf in       17.7 to 26.6 lbf-in         Tightening torque auxiliary contact       0.4 – 0.6 Nm   |  | -  |
| Tightening torque2 – 3 NmTightening torque lbf in17.7 to 26.6 lbf-inTightening torque auxiliary contact0.4 – 0.6 Nm  |  |  |
| Tightening torque lbf in17.7 to 26.6 lbf-inTightening torque auxiliary contact0.4 – 0.6 Nm   |  | 2 – 3 Nm   |
| Tightening torque auxiliary contact     0.4 – 0.6 Nm   |  | 17.7 to 26.6 lbf-in  |
|  | Tightening torque auxiliary contact        | 0.4 – 0.6 Nm   |
|  | Tightening torque auxiliary contact lbf in | 3.5 to 5.3 lbf in  |

STAHL

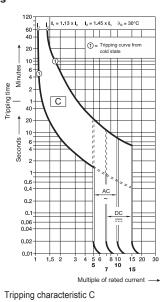
## MCB Miniature circuit breaker

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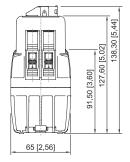
#### Technical Drawings – Subject to Alterations

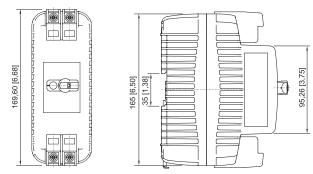


1-pole, auxiliary contact 1 change-over contact + fault signal contact 1 change-over contact



#### Dimensional Drawings (All Dimensions in mm [inches]) - Subject to Alterations





8530/1; 2 horizontal pitches

#### Accessories

| 4-way locking device |   | Art. No. |
|----------------------|---|----------|
| M.                   | A lock-out/tag-out hasp for individually locking the component using up to four cylinder locks. | 227232   |

# Components for system solutions

MCB Miniature circuit breaker



## 8530/1-MCB-STA101-C25-500-2 Art. No. 294000

| Cylinder lock |  | Art. No. |
|---------------|--|----------|
|               | for closing (bracket Ø 3)  | 107115   |
| Fastening set |  | Art. No. |
|               | A fastening set for fastening the component on the mounting plate without a DIN rail | 276618   |

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.