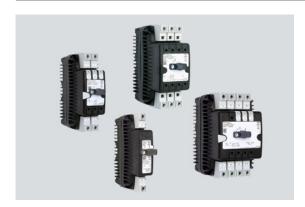
#### MCB Miniature circuit breaker



#### 8530/1-MCB-STA103-B20-500-4 Art. No. 293887



- 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	
Certificates	ATEX (FM), Brazil (ULB), China (CQST), IECEx (FM)
Declaration of conformity	Certificate of conformity (ATEX)
Electrical Data	
Rated operational voltage AC	230/400 V
Rated operational current	20 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	В
No. of poles	3-pole

## MCB Miniature circuit breaker



## 8530/1-MCB-STA103-B20-500-4 Art. No. 293887

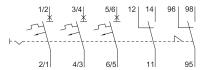
Ambient temperature note Deviating ambient temperatures based on current certificates available on request Mechanical Data  Degree of protection (IP) (IEC 60529) IP2X  Enclosure material Thermoplast  Connection cross-section min. 1.5 mm²  Connection cross-section AWG min. 16 AWG  ACROSS 4 AWG  Connection cross-section 2 min. 1.5 mm²  Connection cross-section 2 AWG min. 1.5 mm²  Connection cross-section of awxiliary contact min. 1.5 mm²  Connection cross-section of awxiliary contact AWG min. 1.5 mm²  Connection cross-section of awxiliary contact AWG min. 1.5 mm²  Connection cross-section of awxiliary contact AWG min. 1.5 mm²  Connection cross-section of awxiliary contact AWG min. 1.5 mm²  Connection cross-section of awxiliary contact AWG min. 1.5 mm²  Connection cross-section of awxiliary contact AWG min. 1.5 mm²  Connection cross-section of awxiliary contact AWG min. 1.5 mm²  Connection cross-section of awxiliary contact AWG min. 1.5 mm²  Connection cross-section of awxiliary contact AWG min. 1.5 mm²  Connection cross-section of awxiliary contact AWG min. 1.5 mm²  Connection cross-section of awxiliary contact AWG min. 1.5 mm²  Connection cross-section flow contact awxiliary	Ambient Conditions	
Ambient temperature note  Mechanical Data  Degree of protection (IP) (IEC 60529) Enclosure material Connection cross-section max. Connection cross-section max.  Connection cross-section MWG min. Connection cross-section 2 min. Connection cross-section 1 min. Connection cross-section 6 auxiliary contact min. Connection cross-section of auxiliary contact MWG min. Connection cross-section of auxiliary contact AWG min. Connection cross-section note  Width lightening torque  2 Nm  Max. tightening torque  3 Nm  Connection cross-section note  - 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.  Width 110 mm  Width, inches  4 33 in  Length inches  5.5 in  Depth of cut-out  138.3 mm  Mounting depth in inches  5.44 in  Weight  1.8 kg  Weight  1.8 kg  Weight  7.7 to 26.6 lbf-in  Tightening torque auxiliary contact  0.4 – 0.6 Nm	Ambient temperature	-25 °C 55 °C
Degree of protection (IP) (IEC 60529)  IP2X  Connection cross section min.  Connection cross-section MVG min.  ACROSS  4 AWG  Connection cross-section 2 min.  1.5 mm²  Connection cross-section 2 MVG min.  1.6 mw²  Connection cross-section 2 MVG min.  1.6 mw²  Connection cross-section 1 auxiliary contact min.  4 mm²  18  2 Nm  Aux. aux. cont. conn. crsec.  4 mm²  2 Nm  Mux. aux. cont. conn. crsec.  4 mm²  2 Nm  Mux. aux. cont. conn. cr. section of auxiliary contact AVG min.  Connection cross-section of auxiliary contact AVG max.  Connection cross-section note  Connection cross-section note  The permitted combinations of connection cross-sections can be found in the operating instructions.  Width  110 mm  Width, inches  1.5 mm  1.	Ambient temperature	-13°F +131°F
Degree of protection (IP) (IEC 60529) Enclosure material Connection cross-section min. 1.5 mm² 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 min. 10 mm² Connection cross-section 2 AWG min. 16 AWG Connection cross-section 2 AWG min. 16 AWG Connection cross-section 2 AWG min. 10.5 mm² Connection cross-section 4 AWG min. 10.5 mm² Connection cross-section of auxiliary contact Min. Max. aux. cont. conn. crsec. 4 mm² Connection cross-section of auxiliary contact AWG min. Connection cross-section of auxiliary contact AWG min. Connection cross-section of auxiliary contact AWG max.  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): - 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.  Width, inches 4.33 in Length in inches 6.5 in Depth of cut-out 138.3 mm Mounting depth in inches 5.44 in Weight 1.8 kg Weight 3.969 lb Mounting / Installation Tightening torque   2 - 3 Nm Tightening torque   2 - 3 Nm Tightening torque   3 - 4 - 6 Nm	Ambient temperature note	Deviating ambient temperatures based on current certificates available on request
Enclosure material Thermoplast Connection cross section min. 1.5 mm² 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. 16 AWG Connection cross-section of auxiliary contact min. 17 mm² Connection cross-section of auxiliary contact MWG min. 18 mm² Connection cross-section of auxiliary contact AWG min. 19 mm² Connection cross-section of auxiliary contact AWG min. 19 mm² Connection cross-section of auxiliary contact AWG min. 19 mm² Connection cross-section of auxiliary contact AWG min. 19 mm² Connection cross-section of auxiliary contact AWG max. 19 mm² Connection cross-section of auxiliary contact AWG min. 19 mm² Connection cross-section of auxiliary and public min to public m	Mechanical Data	
Connection cross section min.  Connection cross-section AWG min.  Connection cross-section AWG min.  Connection cross-section 2 MWG min.  Connection cross-section 2 AWG min.  Connection cross-section 2 AWG min.  Connection cross-section 2 min.  Connection cross-section 2 min.  Connection cross-section of auxiliary contact min.  Max. aux. cont. conn. crsec.  4 mm²  Connection cross-section of auxiliary contact AWG min.  Connection cross-section of auxiliary contact AWG min.  Connection cross-section of auxiliary contact AWG min.  Connection cross-section of auxiliary contact AWG max.  Min. tightening torque  2 Nm  Max. aux. tightening torque  2 Nm  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.)  The permitted combinations of connection cross-sections can be found in the operating instructions.  Width  Width  Midth  Midth  inches  4.33 in  Length  inches  6.5 in  Depth of cut-out  138.3 mm  Mounting depth in inches  5.44 in  Weight  1.8 kg  Weight  1.8 kg  Weight  1.8 kg  Weight  1.7 To 26.6 lbf-in  Tightening torque bit in  17,7 to 26.6 lbf-in  Tightening torque auxiliary contact  0.4 – 0.6 Nm	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 min. 1.5 mm² Connection cross-section 2 max. 10 mm² Connection cross-section 2 AWG min. 16 AWG Connection cross-section of auxiliary contact min. 18 Max. aux. cont. conn. cr-sec. 4 mm² Connection cross-section of auxiliary contact AWG min. 18 Connection cross-section of auxiliary contact AWG min. 19 Connection cross-section of auxiliary contact AWG max. 19 Max. tightening torque 2 Nm Max. tightening torque 3 Nm Connection cross-section note  - Connection cross-section note - Connect	Enclosure material	Thermoplast
Connection cross-section AWG min.  ACROSS  4 AWG  Connection cross-section 2 min.  Connection cross-section 2 AWG min.  Connection cross-section 2 AWG min.  Connection cross-section 2 AWG min.  Connection cross-section 1 auxiliary  contact min.  Max. aux. cont. conn. crsec.  Connection cross-section of auxiliary  contact AWG min.  Connection cross-section of auxiliary  contact of Wind min.  Connection cross-section of auxiliary  contact of Wind min.  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):  - 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.  Width  110 mm  Width, inches  4.33 in  Length  165 mm  Mounting depth in inches  5.44 in  Weight  1.8 kg  3.969 lb  Mounting / Installation  Tightening torque   2 – 3 Nm  Tightening torque   2 – 3 Nm  Tightening torque buf in  17. to 26.6 lbf-in  Tightening torque auxiliary contact	Connection cross section min.	1.5 mm²
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. 8 AWG Connection cross-section of auxiliary contact min. 9.5 mm² Connection cross-section of auxiliary contact min. 18  Max. aux. cont. conn. crsec. 4 mm² Connection cross-section of auxiliary contact AWG min. 19 Connection cross-section of auxiliary contact AWG min. 19 Connection cross-section of auxiliary contact AWG min. 19 Connection cross-section of auxiliary contact AWG max. 19 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.)  The permitted combinations of connection cross-sections can be found in the operating instructions.  Width 110 mm Width, inches 4.33 in Length 165 mm Length 165 mm Length 17 mm Mounting depth in inches 5.44 in  Weight 1.8 kg Weight 3.969 lb  Mounting / Installation Tightening torque 1 2 – 3 Nm Tightening torque bl fin 17.7 to 26.6 lbf-in Tightening torque auxiliary contact 10 10 mm Tightening torque auxiliary contact 10 10 mm	Connection cross-section max.	25 mm²
Connection cross-section 2 min.  Connection cross-section 2 AWG min. Connection cross-section 2 AWG min. Connection cross-section 2 AWG min. Connection cross-section 2 AWG max. Connection cross-section of auxiliary contact min.  Max. aux. cont. conn. crsec. Connection cross-section of auxiliary contact MWG min. Connection cross-section of auxiliary contact AWG min.  Connection cross-section of auxiliary contact AWG min.  Connection cross-section of auxiliary contact AWG min.  Connection cross-section of auxiliary contact AWG max.  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): - 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.  Width  110 mm  Width, inches  4.33 in  Length inches  6.5 in  Depth of cut-out  138.3 mm  Mounting depth in inches  5.44 in  Weight  1.8 kg  Weight  1.8 kg  Weight  1.8 kg  Mounting / Installation Tightening torque  2 – 3 Nm  Tightening torque 15 in  Tightening torque 17.7 to 26.6 lbf-in  Tightening torque 17.7 to 26.6 lbf-in  Tightening torque 2 – 3 Nm	Connection cross-section AWG min.	16 AWG
Connection cross-section 2 max.  10 mm²  Connection cross-section 2 AWG min.  Connection cross-section of auxiliary contact min.  Max. aux. cont. conn. crsec.  4 mm²  Connection cross-section of auxiliary contact min.  Max. aux. cont. conn. crsec.  4 mm²  Connection cross-section of auxiliary contact AWG min.  Connection cross-section of auxiliary contact AWG min.  Connection cross-section of auxiliary contact AWG min.  Connection cross-section of auxiliary contact AWG max.  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): - 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.  Width  110 mm  Width, inches  4.33 in  Length Length in inches  6.5 in  Depth of cut-out  138.3 mm  Mounting depth in inches  5.44 in  Weight  1.8 kg  Weight  1.8 kg  Weight  1.8 kg  Weight  1.7 to 26.6 lbf-in  Tightening torque lbf in  17.7 to 26.6 lbf-in  Tightening torque auxiliary contact	ACROSS	4 AWG
Connection cross-section 2 AWG min.  Connection cross-section 2 AWG max.  Connection cross-section of auxiliary contact min.  Max. aux. cont. conn. crsec.  Connection cross-section of auxiliary contact AWG min.  Connection cross-section of auxiliary contact AWG min.  Connection cross-section of auxiliary contact AWG max.  Min. tightening torque  2 Nm  Max. tightening torque  3 Nm  Connection cross-section note	Connection cross-section 2 min.	1.5 mm²
Connection cross-section 2 AWG max.  Connection cross-section of auxiliary contact min.  Max. aux. cont. conn. crsec.  4 mm²  Connection cross-section of auxiliary contact AWG min.  Connection cross-section of auxiliary contact AWG min.  Connection cross-section of auxiliary contact AWG max.  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):  - 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.  Width  110 mm  Width, inches  4.33 in  Length in inches  6.5 in  Depth of cut-out  138.3 mm  Mounting depth in inches  5.44 in  Weight  1.8 kg  Weight  1.8 kg  Weight  1.8 kg  Mounting / Installation  Tightening torque  2 – 3 Nm  Tightening torque auxiliary contact  0.4 – 0.6 Nm	Connection cross-section 2 max.	10 mm²
Connection cross-section of auxiliary contact min.  Max. aux. cont. conn. crsec.  Connection cross-section of auxiliary contact AWG min.  Connection cross-section of auxiliary contact AWG min.  Connection cross-section of auxiliary contact AWG max.  Min. tightening torque  2 Nm  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.)  The permitted combinations of connection cross-sections can be found in the operating instructions.  Width  110 mm  Width, inches  4.33 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  1.8 kg  Weight  1.8 kg  Weight  1.8 kg  Weight  1.8 kg  Weight  Mounting / Installation  Tightening torque  2 - 3 Nm  Tightening torque auxiliary contact  0.4 - 0.6 Nm	Connection cross-section 2 AWG min.	16 AWG
contact min.  Max. aux. cont. conn. crsec.  4 mm²  Connection cross-section of auxiliary contact AWG min.  Connection cross-section of auxiliary contact AWG max.  Min. tightening torque  2 Nm  Max. tightening torque  3 Nm  Connection cross-section note  - 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.)  The permitted combinations of connection cross-sections can be found in the operating instructions.  Width  110 mm  Width, inches  4.33 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  1.8 kg  Weight  1.8 kg  Weight  3.969 lb  Mounting / Installation  Tightening torque  2 - 3 Nm  Tightening torque buf in  17.7 to 26.6 lbf-in  Tightening torque auxiliary contact  0.4 - 0.6 Nm	Connection cross-section 2 AWG max.	8 AWG
Connection cross-section of auxiliary contact AWG min.  Connection cross-section of auxiliary contact AWG max.  Min. tightening torque  Awa. tightening torque  2 Nm  Max. tightening torque  3 Nm  Connection cross-section note  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.)  The permitted combinations of connection cross-sections can be found in the operating instructions.  Width  110 mm  Width, inches  4.33 in  Length  Length  165 mm  Length in inches  6.5 in  Depth of cut-out  Mounting depth in inches  5.44 in  Weight  Weight  1.8 kg  Weight  3.969 lb  Mounting / Installation  Tightening torque  2 – 3 Nm  Tightening torque auxiliary contact  0.4 – 0.6 Nm	Connection cross-section of auxiliary contact min.	0.5 mm <sup>2</sup>
Connection cross-section of auxiliary contact AWG min.  Connection cross-section of auxiliary contact AWG max.  Min. tightening torque  Ax. tightening torque  Connection cross-section note  The permitted combinations of connection cross-sections can be found in the operating instructions.  Width  110 mm  Width, inches  Length  Length  Length  Length in inches  O.5 in  Depth of cut-out  138.3 mm  Mounting depth in inches  5.44 in  Weight  1.8 kg  Weight  3.969 lb  Mounting / Installation  Tightening torque  17.7 to 26.6 lbf-in  Tightening torque auxiliary contact  0.4 – 0.6 Nm	Max. aux. cont. conn. crsec.	4 mm²
Contact AWG max.  Min. tightening torque  2 Nm  Max. tightening torque  3 Nm  Connection cross-section note  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.)  The permitted combinations of connection cross-sections can be found in the operating instructions.  Width  110 mm  Width, inches  4.33 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  1.8 kg  Weight  3.969 lb  Mounting / Installation  Tightening torque  2 – 3 Nm  Tightening torque auxiliary contact  0.4 – 0.6 Nm	Connection cross-section of auxiliary contact AWG min.	18
Max. tightening torque  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.)  The permitted combinations of connection cross-sections can be found in the operating instructions.  Width  110 mm  Width, inches  4.33 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  1.8 kg  Weight  1.8 kg  Weight  3.969 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	Connection cross-section of auxiliary contact AWG max.	14
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.)  The permitted combinations of connection cross-sections can be found in the operating instructions.  Width 110 mm  Width, inches 4.33 in  Length 165 mm  Length 165 mm  Depth of cut-out 138.3 mm  Mounting depth in inches 5.44 in  Weight 1.8 kg  Weight 3.969 lb  Mounting / Installation  Tightening torque 2 - 3 Nm  Tightening torque blf in 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 may be clamped between the upper and lower chamber.)  The permitted combinations of connection cross-sections can be found in the operating instructions.  Width 110 mm  Width, inches 4.33 in  Length 165 mm  Length 165 mm  Length in inches 6.5 in  Depth of cut-out 138.3 mm  Mounting depth in inches 5.44 in  Weight 1.8 kg  Weight 3.969 lb  Mounting / Installation  Tightening torque   2 - 3 Nm    Tightening torque auxiliary contact   0.4 - 0.6 Nm	Max. tightening torque	3 Nm
Width       110 mm         Width, inches       4.33 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       1.8 kg         Weight       3.969 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	Connection cross-section note	<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</li> </ul>
Length       165 mm         Length in inches       6.5 in         Depth of cut-out       138.3 mm         Mounting depth in inches       5.44 in         Weight       1.8 kg         Weight       3.969 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	Width	
Length       165 mm         Length in inches       6.5 in         Depth of cut-out       138.3 mm         Mounting depth in inches       5.44 in         Weight       1.8 kg         Weight       3.969 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	Width, inches	
Length in inches 6.5 in  Depth of cut-out 138.3 mm  Mounting depth in inches 5.44 in  Weight 1.8 kg  Weight 3.969 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	Length	
Depth of cut-out  138.3 mm  Mounting depth in inches  5.44 in  Weight  1.8 kg  Weight  3.969 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 depth in inches  5.44 in  Weight  1.8 kg  Weight  3.969 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		
Weight 1.8 kg Weight 3.969 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		
Weight 3.969 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	Weight	-
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 torque lbf in 17.7 to 26.6 lbf-in  Tightening torque auxiliary contact 0.4 – 0.6 Nm	Tightening torque	2 – 3 Nm
Tightening torque auxiliary contact 0.4 – 0.6 Nm		
Franciscus Colono duminur y contract por march of Colo to Colo IDI III	Tightening torque auxiliary contact lbf in	3.5 to 5.3 lbf in

#### MCB Miniature circuit breaker

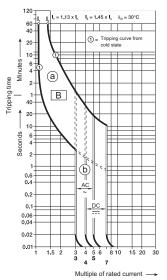


#### 8530/1-MCB-STA103-B20-500-4 Art. No. 293887

#### **Technical Drawings - Subject to Alterations**

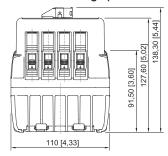


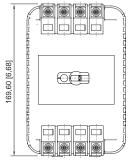
3-pole, auxiliary contact 1 change-over contact + fault signal contact 1 change-over contact

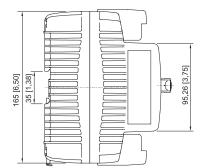


Tripping characteristic B

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







8530/1; 4 horizontal pitches

#### **Accessories**

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

## MCB Miniature circuit breaker



#### 8530/1-MCB-STA103-B20-500-4 Art. No. 293887

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.