

8530/1-RCBO-STAA101N-30-C16-300-3 Art. No. 288948





- Fault current monitoring and tripping in the event of overcurrent and short circuit
- Combination of residual current circuit breaker and miniature circuit breaker: Saves space, reduces installation effort
- Safe functional test using the integrated test button
- · Can be used globally thanks to international approvals
- 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
- Padlocks provide protection against being switched on again during maintenance work
- Ergonomically shaped operating lever guarantees that the system can be switched on and off safely

### MY R. STAHL 8530C



The RCD/MCB 8530 series from R. STAHL is a residual current circuit breaker and a miniature circuit breaker in one:

It monitors residual currents and triggers in the event of large residual currents. In addition, it protects against overvoltage, switches off short circuits up to 10 kA and therefore protects the cables in their systems in the event of an earth fault, overload or short circuit. The excellent current limiting feature reduces the cable load in the event of a short circuit. The residual current tripping variants A, AS, AP-R, B, BS, B+ and F, as well as an A110V version, are available.

#### **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 explosion protection	Ex db eb IIC Gb
ATEX gas certificate	FM19ATEX0191U
ATEX gas explosion protection	
Certificates	ATEX (FM), Brazil (ULB), China (CQST), IECEx (FM)
Declaration of Conformity	Certificate of conformity (ATEX), China (CCC)
Electrical Data	
Rated operational voltage AC	230 V
Rated operational current	16 A
Frequency	50/60 Hz
Rated switching capacity	10 kA
Electrical service life	2 x 10⁴
Mechanical service life	2 x 10⁴
Rated residual current	0.03 A
1st auxiliary function	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
Release type	Sensitive to alternating/pulse current



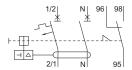
RCD/MCB Residual current circuit breaker With integrated overcurrent protection 8530/1-RCBO-STAA101N-30-C16-300-3 Art. No. 288948

Tripping characteristic         C           No. of poles         1-pole + N           Ambient Conditions         Ambient Conditions           Ambient temperature         25°C55°C           Ambient temperature note         Deviating ambient temperatures based on current certificates available on request           Macharical Data         Degree of protection (IP) (IEC 60529)         IP2X           Enclosure material         Thermoplast           Connection cross-section min.         1.5 mm²           Connection cross-section max.         25 mm²           Connection cross-section AWG max.         25 mm²           Connection cross-section AWG max.         4 AWG           Connection cross-section 2 min. AWG         16 AWG           Connection cross-section 2 min. AWG         16 AWG           Connection cross-section of auxiliary contact min.         4 mm²           Connection cross-section of auxiliary contact min.         2 mm²           Connection cross-section of auxiliary contact aWG min.         2 Nm           Connection cross-section of auxiliary contact aWG min.         12 conductor connection (upper and lower chamber at the same time):	Electrical Data	
Ambient Conditions Ambient temperature Ambient temperature 1-3°F +131°F Ambient temperature note Degree of protection (IP) (IEC 60529) Enclosure material Thermoplast Connection cross-section min. Connection cross-section AWG max. Connection cross-section AWG max. Connection cross-section 2 min. AWG Connection cross-section 3 min. AWG Connection cross-section 4 min. Connection cross-section 6 auxiliary contact awG Connection cross-section of auxiliary contact AWG min.  Connection cross-	Tripping characteristic	С
Ambient temperature 4.25 °C 55 °C Ambient temperature note 5.13 °F +131 °F Deviating ambient temperatures based on current certificates available on request 6.13 °F +131 °F Machanical Data  Degree of protection (IP) (IEC 60529) Enclosure material 7.5 mm² Connection cross-section min. 1.5 mm² Connection cross-section min. 2.5 mm² Connection cross-section min. 4MWG Connection cross-section Max 4MWG Connection cross-section 2 min. 4MWG Connection cross-section 6 min. 4MWG Connection cross-section 6 min. 4MWG Connection cross-section 7 min. 4WWG Connection cross-section 6 min. 4WWG Connection cross-section 6 min. 4WWG Connection cross-section 7 min. 4WWG Connection cross-section 6 min. 4WWG Connection cross-section 6 min. 4WWG Connection cross-section of auxiliary contact min. 4WWG Connection cross-section of auxiliary contact min. 4WWG Connection cross-section of auxiliary contact min. 4WWG min. 2 Nmm² Connection cross-section of auxiliary contact AWWG min. 2 Nm Min. tightening torque 3 Nm Connection cross-section of auxiliary contact AWWG min. 2 Nm Min. 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 83 mm Width, inches 3.27 in Length, inches 6.44 in Meight 1.3 kg Weight 1.3 kg Weight 1.3 kg Weight 2.867 ib Mounting / Installation Tightening torque bit in 17.7 to 26.6 lb-in Tightening torque bit in 17.7 to 26.6 lb-in Tightening torque bit in 17.7 to 26.6 lb-in Tightening torque bit in 1.7.7 to 26.6 lb-in	No. of poles	1-pole + N
Ambient temperature note   1-13"F +131"F   Ambient temperature note   Deviating ambient temperatures based on current certificates available on request   Mechanical Data   Degree of protection (IP) (IEC 60529)   IP2X   Enclosure material   Thermoplast   Connection cross-section min.   1.5 mm²   Connection cross-section max.   25 mm²   Connection cross-section AWG max.   4 AWG   Connection cross-section 2 min.   1.5 mm²   Connection cross-section 2 min.   2.5 mm²   Connection cross-section 3 availiary contact min.   2.5 mm²   Connection cross-section of availiary contact min.   2.5 mm²   Connection cross-section of availiary contact AWG max.   2.5 mm²   Connection cross-section of availiary contact AWG max.   2.5 mm²   Connection cross-section of availiary contact AWG max.   2.5 mm²   Connection cross-section of availiary contact AWG max.   2.5 mm²   Connection cross-section of availiary contact AWG max.   2.5 mm²   Connection cross-section of availiary contact awG max.   2.5 mm²   Connection cross-section of availiary contact awG max.   2.5 mm²   Connection cross-section of availiary contact awG max.   2.5 mm²   Connection cross-section of availiary contact awG max.   2.5 mm²   Connection cross-section of availiary contact awG max.   2.5 mm²   Connection cross-section of availiary contact awG max.   2.5 mm²   Connection cross-section of availiary contact awG max.   2.5 mm²   Connection cross-section of availiary contact awG max.   2.5 mm²   Connection cross-section of availiary contact awG max.   2.5 mm²   Connection cross-section o	Ambient Conditions	
Ambient temperature note Deviating ambient temperatures based on current certificates available on request Mechanical Data  Degree of protection (IP) (IEC 60529) Enclosure material Thermoplast Connection cross-section min. 1.5 mm² Connection cross-section min. AWG Connection cross-section min. AWG Connection cross-section min. AWG Connection cross-section min. AWG Connection cross-section 2 min. 1.5 mm² Connection cross-section 2 min. 1.0 mm² Connection cross-section 2 min. 1.0 mm² Connection cross-section 2 min. 1.0 mm² Connection cross-section 2 min. AWG Connection cross-section 2 min. AWG Connection cross-section 2 min. 4 mm² Connection cross-section 2 min. 4 mm² Connection cross-section 2 max. 3 mm² Connection cross-section 4 max. 3 mm² Connection cross-section 6 auxiliary contact min. 2 mm² Connection cross-section of auxiliary contact AWG min. 4 mm² Connection cross-section of auxiliary contact AWG min. 4 mm² Connection cross-section of auxiliary contact AWG min. 4 mm² Connection cross-section of auxiliary contact AWG min. 5 mm² Connection cross-section of auxiliary contact AWG min. 4 mm² Connection cross-section of auxiliary contact AWG min. 5 mm² Connection cross-section of auxiliary contact AWG min. 5 mm² Connection cross-section of auxiliary contact AWG min. 5 mm² Connection cross-section of auxiliary contact AWG min. 5 mm² Connection cross-section of auxiliary contact AWG min. 5 mm² Min. tightening torque 3 mm  Min. tightening torque 3 mm  Midth m. 83 mm  Width m. 83 mm  Width m. 83 mm  Width inches 3.27 in  Length 165 mm  Length 165 mm  Length 165 mm  Length 165 mm  Length 176 mc/length 1833 mm  Mounting depth, inches 5.44 in  Weight 2.867 ib  Mounting / Installation  Tightening torque Bi in 1.77 to 26 6lbL-in	Ambient temperature	-25 °C 55 °C
Degree of protection (IP) (IEC 60529)  Degree of protection (IP) (IEC 60529)  Enclosure material  Thermoplast  Connection cross-section min.  1.5 mm²  Connection cross-section min.  AWG  Connection cross-section min. AWG  The AWG  Connection cross-section min. AWG  The AWG  Connection cross-section min. AWG  The AWG  Connection cross-section 2 min.  The mm²  Connection cross-section of auxiliary contact min.  The mm²  Connection cross-section of auxiliary contact min.  Connection cross-section of auxiliary contact min.  Connection cross-section of auxiliary contact MWG min.  Connection cross-section of auxiliary contact AWG min.  The permitted combinations of connection cross-sections can be found in the operating instructions.  Width  33 mm  Width, inches  327 in  Length  Leng	Ambient temperature	-13°F +131°F
Degree of protection (IP) (IEC 80529)   IP2X	Ambient temperature note	Deviating ambient temperatures based on current certificates available on request
Enclosure material Thermoplast Connection cross-section min. Connection cross-section min. Connection cross-section min. Connection cross-section awa.  25 mm² Connection cross-section AWG max. 4 AWG Connection cross-section 2 min. 15 mm² Connection cross-section 2 min. Connection cross-section 4 williamy contact min. Connection cross-section of auxiliary contact min. Connection cross-section of auxiliary contact min. Connection cross-section of auxiliary contact mix. Connection cross-section of auxiliary contact mix. Connection cross-section of auxiliary contact MWG min. Connection cross-section of auxiliary contact MWG min. Connection cross-section of auxiliary contact AWG min.  With itightening torque  2 Nm Max. tightening torque  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  83 mm  Width, inches  3.27 in Length, inches  6.5 in  Depth of cut-out  138.3 mm  Mounting depth, inches  5.44 in Weight  1.3 kg  Weight  2.867 ib  Mounting Installation  Tightening torque uxiliary contact  1.7.7 to 26.6 lbf-in  Tightening torque uxiliary contact  0.4 – 0.6 Nm	Mechanical Data	
Connection cross section min.         1.5 mm²           Connection cross-section max.         25 mm²           Connection cross-section MWG max.         4 MWG           Connection cross-section 2 min.         1.5 mm³           Connection cross-section 2 min.         10 mm²           Connection cross-section 2 min. AWG         10 mm²           Connection cross-section 2 min. AWG         8 AWG           Connection cross-section of auxiliary contact min.         0.5 mm³           Connection cross-section of auxiliary contact min.         26           Connection cross-section of auxiliary contact AWG min.         26           Connection cross-section of auxiliary contact AWG max.         12           Min. tightening torque         3 Nm           Connection cross-section note         2-conductor connection (upper and lower chamber at the same time):	Degree of protection (IP) (IEC 60529)	IP2X
Connection cross-section max. 25 mm³ Connection cross-section AWG max. 4 AWG Connection cross-section 2 min. 4WG Connection cross-section 6 auxiliary contact min. Connection cross-section of auxiliary contact mix. 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 new accordance of auxiliary contact awg min. Connection cross-section of auxiliary contact AWG min. Connection cross-section of auxiliary contact AWG max.  In the provided contact awg accordance of auxiliary contact awg max.  In the provided contact awg accordance of auxiliary contact awg max.  In the provided contact of auxiliary contact awg max.  In the provided contact of auxiliary contact awg max.  In the provided contact of auxiliary contact awg max.  In the provided contact of auxiliary contact awg max.  In the provided contact of auxiliary contact awg max.  In the provided contact of auxiliary contact awg max.  In the provided contact of auxiliary contact awg max.  In the provided contact of auxiliary contact awg max.  In the provided contact of auxiliary contact awg max.  In the provided contact of auxiliary and a max.  In the provided contact of auxiliary and a max.  In the provided contact of auxiliary and a max.  In the provided contact of auxiliary and a max.  In the provided contact of auxiliary and a max.  In the provided contact of auxiliary and a min.  In the provided contact of auxiliary and a min.  In the provided contact of auxiliary and a min.  In the provided contact of auxiliary and a min.  In the provided contact of auxiliary and a min.  In the provided contact of auxiliary and a min.  In the provided contact of auxiliary an	Enclosure material	Thermoplast
Connection cross-section min. AWG	Connection cross section min.	1.5 mm <sup>2</sup>
Connection cross-section AWG max.    Connection cross-section 2 min.    Connection cross-section 2 max.    Connection cross-section 2 max.    Connection cross-section 2 max. AWG    Connection cross-section 2 max. AWG    Connection cross-section 2 max. AWG    Connection cross-section of auxiliary contact min.    Connection cross-section of auxiliary contact min.    Connection cross-section of auxiliary contact max.    Connection cross-section of auxiliary contact AWG min.    Connection cross-section of auxiliary contact AWG min.    If a max ightening torque    Amx. tightening torque    Connection cross-section note    Co	Connection cross-section max.	25 mm²
Connection cross-section 2 min.	Connection cross-section min. AWG	16 AWG
Connection cross-section 2 max. 4WG Connection cross-section 2 max. AWG 8 AWG Connection cross-section of auxiliary contact min. 4m² 26 Connection cross-section of auxiliary contact min. 5m² 26 Connection cross-section of auxiliary contact max. 5m² 26 Connection cross-section of auxiliary contact AWG min. 5m² 26 Connection cross-section of auxiliary contact AWG min. 6m² 27 Connection cross-section of auxiliary contact AWG min. 7m² 27 Connection cross-section of auxiliary contact AWG min. 7m² 27 Connection cross-section of auxiliary contact AWG max. 7m² 27 Connection cross-section note 3m² 27 Connection cross-section note 4m² 27 Connection cross-section note 5m² 27 Connection cross-section note 6m² 27 Connection cross-section note 7m² 27 Connection cross-section cross-section cross-section note 7m² 27 Connection cross-section cross-section note 7m² 27 Connection cross-section cross-section note 7m² 28 m²	Connection cross-section AWG max.	4 AWG
Connection cross-section 2 min. AWG Connection cross-section 2 max. AWG Connection cross-section of auxiliary contact min.  Connection cross-section of auxiliary contact max.  Connection cross-section of auxiliary contact max.  Connection cross-section of auxiliary contact max.  Connection cross-section of auxiliary contact AWG min.  Connection cross-section of auxiliary contact AWG min.  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  33 mm  Width, inches  3.27 in  Length, inches  6.5 in  Depth of cut-out  138.3 mm  Mounting depth, inches  5.44 in  Weight  1.3 kg  Weight  1.3 kg  Weight  2 - 3 Nm  Tightening torque  2 - 3 Nm  Tightening torque  17.7 to 26.6 lbf-in  Tightening torque auxiliary contact  0.4 - 0.6 Nm	Connection cross-section 2 min.	1.5 mm <sup>2</sup>
Connection cross-section 2 max. AWG Connection cross-section of auxiliary contact min.  Connection cross-section of auxiliary contact max.  Connection cross-section of auxiliary contact max.  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  83 mm  Width, inches  3.27 in  Length  Length  inches  6.5 in  Depth of cut-out  138.3 mm  Mounting depth, inches  5.44 in  Weight  1.3 kg  Weight  1.3 kg  Weight  2 – 3 Nm  Tightening torque  2 – 3 Nm  Tightening torque  17.7 to 26.6 lbf-in  Tightening torque auxiliary contact  0.4 – 0.6 Nm	Connection cross-section 2 max.	10 mm²
Connection cross-section of auxiliary contact min.  Connection cross-section of auxiliary contact max.  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  83 mm  Width, inches  3.27 in  Length  165 mm  Length, inches  6.5 in  Depth of cut-out  138.3 mm  Mounting depth, inches  5.44 in  Weight  1.3 kg  Weight  2.867 lb  Mounting / Installation  Tightening torque  2 – 3 Nm  Tightening torque auxiliary contact  0.4 – 0.6 Nm	Connection cross-section 2 min. AWG	16 AWG
contact min.  Connection cross-section of auxiliary contact max.  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  Width  83 mm  Width, inches  3.27 in  Length  Length  165 mm  Length, inches  6.5 in  Depth of cut-out  138.3 mm  Mounting depth, inches  5.44 in  Weight  1.3 kg  Weight  2.867 lb  Mounting / Installation  Tightening torque  2 – 3 Nm  Tightening torque  3 mm²  4 mm²  4 mm²  26  26  20  20  3 mm  4 mm²  17.7 to 26.6 lbf-in  19,thening torque auxiliary contact  4 mm²  26  20  4 mm²  12  2 nm  4 mm²  12  2 nm  4 maximum difference of one cross section may be clamped lower chamber;  1 maximum difference of one cross section may be clamped lower chamber at the same time): - upper and lower chamber at the same time): - upper and lower chamber at the same time): - upper and lower chamber at the same time): - upper and lower chamber at the same time): - upper and lower chamber at the same time): - upper and lower chamber at the same time): - upper and lower chamber at the same time): - upper and lower chamber at the same time): - upper and lower chamber at the same time): - upper and lower chamber at the same time): - upper and lower chamber at the same time): - upper and lower chamber at the same time): - upper and lower chamber at the same time): - upper and lower chamber at the same time): - upper and lower chamber at the same time): - upper and lower chambe	Connection cross-section 2 max. AWG	8 AWG
contact max.  Connection cross-section of auxiliary contact AWG min.  Connection cross-section of auxiliary contact AWG min.  Min. tightening torque  2 Nm  Max. tightening torque  3 Nm  Connection cross-section note		0.5 mm <sup>2</sup>
contact AWG min.  Connection cross-section of auxiliary contact AWG max.  Min. tightening torque  Max. tightening torque  Connection cross-section note  Connection cross-section scan be found in the operating instructions.  Width  83 mm  Width  Width, inches  3.27 in  Length  Length  Length  Length  165 mm  Length, inches  6.5 in  Depth of cut-out  138.3 mm  Mounting depth, inches  5.44 in  Weight  1.3 kg  Weight  1.3 kg  Weight  2.867 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		4 mm²
contact AWG max.2 NmMin. tightening torque3 NmConnection cross-section note2-conductor connection (upper and lower chamber at the same time):		26
Min. tightening torque  Max. tightening torque  Connection cross-section note  Connection cross-section may be clamped between the 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  83 mm  Width, inches  3.27 in  Length  165 mm  Length, inches  6.5 in  Depth of cut-out  138.3 mm  Mounting depth, inches  5.44 in  Weight  1.3 kg  Weight  2.867 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		12
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  83 mm  Width, inches  165 mm  Length  Length  Length, inches  6.5 in  Depth of cut-out  138.3 mm  Mounting depth, inches  5.44 in  Weight  1.3 kg  Weight  1.3 kg  Weight  2.867 lb  Mounting / Installation  Tightening torque  2 – 3 Nm  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 83 mm  Width, inches 3.27 in  Length 165 mm  Length, inches 6.5 in  Depth of cut-out 138.3 mm  Mounting depth, inches 5.44 in  Weight 1.3 kg  Weight 2.867 lb  Mounting / Installation  Tightening torque 12 – 3 Nm  Tightening torque auxiliary contact 0.4 – 0.6 Nm		3 Nm
Width, inches       3.27 in         Length       165 mm         Length, inches       6.5 in         Depth of cut-out       138.3 mm         Mounting depth, inches       5.44 in         Weight       1.3 kg         Weight       2.867 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, inches       6.5 in         Depth of cut-out       138.3 mm         Mounting depth, inches       5.44 in         Weight       1.3 kg         Weight       2.867 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	83 mm
Length, inches 6.5 in  Depth of cut-out 138.3 mm  Mounting depth, inches 5.44 in  Weight 1.3 kg  Weight 2.867 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	3.27 in
Depth of cut-out  138.3 mm  Mounting depth, inches  5.44 in  Weight  1.3 kg  Weight  2.867 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	165 mm
Mounting depth, inches  5.44 in  Weight  1.3 kg  Weight  2.867 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, inches	6.5 in
Weight 1.3 kg  Weight 2.867 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	Depth of cut-out	138.3 mm
Weight 2.867 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, inches	5.44 in
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	1.3 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	Weight	2.867 lb
Tightening torque lbf in 17.7 to 26.6 lbf-in  Tightening torque auxiliary contact 0.4 – 0.6 Nm	Mounting / Installation	
Tightening torque auxiliary contact 0.4 – 0.6 Nm	Tightening torque	2 – 3 Nm
	Tightening torque lbf in	17.7 to 26.6 lbf-in
Tightening torque auxiliary contact lbf in 3.5 to 5.3 lbf in	Tightening torque auxiliary contact	0.4 – 0.6 Nm
	Tightening torque auxiliary contact lbf in	3.5 to 5.3 lbf in

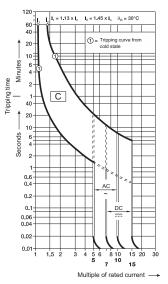


RCD/MCB Residual current circuit breaker With integrated overcurrent protection 8530/1-RCBO-STAA101N-30-C16-300-3 Art. No. 288948

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

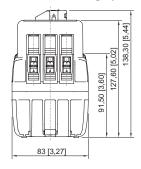


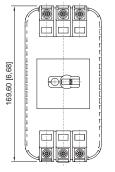
1-pole+N, fault signal contact 1 change-over contact

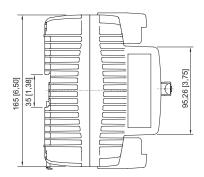


Tripping characteristic C

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







8530/1; 3 partition units

### **Accessories**

Cylinder lock		Art. No.
	for closing (bracket Ø 3)	107115



RCD/MCB Residual current circuit breaker
With integrated overcurrent protection
8530/1-RCBO-STAA101N-30-C16-300-3 Art. No. 288948

Fastening set		Art. No.
	A fastening set for attaching the component to the mounting plate without a DIN rail.	276618
ocking device qua	druple	Art. No.
Control of the contro	A lock-out / tag-out scissor for individual locking of the component using up to 4 cylinder locks.	227232

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.