



- 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 explosion protection	Ex db eb IIC Gb
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), China (CCC)

### Electrical Data

AC rated operational voltage	230/400 V
Frequency	50/60 Hz
Rated operational current	10 A
Rated switching capacity	10 kA
Electrical service life	2 x 10 <sup>4</sup>
Mechanical service life	2 x 10 <sup>4</sup>
No. of poles	3-pole
1st auxiliary function	without
1st auxiliary function for AC rated voltage	-
1st auxiliary function for rated current max.	-
2nd auxiliary function	without
2nd auxiliary function voltage max. DC	-
Tripping characteristic	B

### Ambient Conditions

Ambient temperature	-40 °C ... 70 °C
Ambient temperature	-40 °F ... 158 °F
Ambient temperature note	Deviating ambient temperatures based on current certificates available on request

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**Mechanical Data**

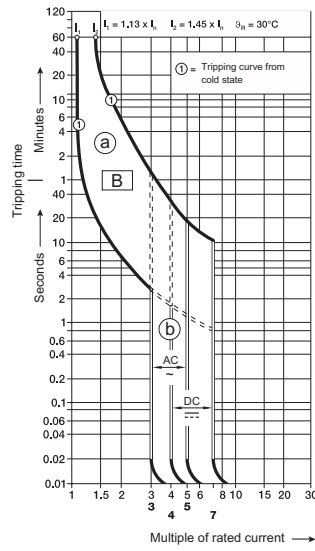
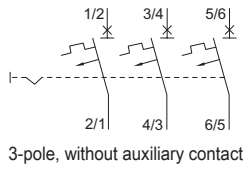
Degree of protection (IP) (IEC 60529)	IP2X
Enclosure material	Thermoplast
Connection cross section min.	1.5 mm <sup>2</sup>
Connection cross-section max.	25 mm <sup>2</sup>
Connection cross-section AWG min.	16 AWG
Connection cross-section AWG max.	4 AWG
Connection cross-section 2 min.	1.5 mm <sup>2</sup>
Connection cross-section 2 max.	10 mm <sup>2</sup>
Connection cross-section 2 AWG min.	16 AWG
Connection cross-section 2 AWG max.	8 AWG
Min. tightening torque	2 N · m
Max. tightening torque	3 N · m
Connection cross-section note	<p><b>2-conductor connection (upper and lower chamber at the same time):</b>                      - 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.)</p> <p>The permitted combinations of connection cross-sections can be found in the operating instructions.</p>
Width	83 mm
Width, inches	3.27 in
Length	165 mm
Length in inches	6.5 in
Mounting depth	138.3 mm
Mounting depth in inches	5.44 in
Weight	1.4 kg
Weight	0 lb

**Mounting / Installation**

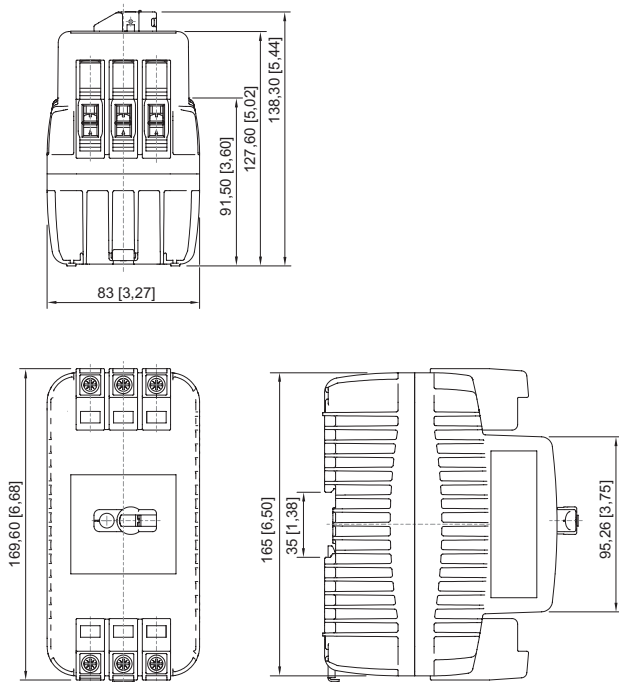
Tightening torque	2 – 3 N · m
Tightening torque lbf in	17.7 to 26.6 lbf-in
Tightening torque auxiliary contact	0.4 – 0.6 N · m
Tightening torque auxiliary contact lbf in	3.5 to 5.3 lbf in

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Technical Drawings – Subject to Alterations



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



Accessories

Cylinder lock



for closing (bracket Ø 3)

Art. No.

107115

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**Fastening set**



A fastening set for fastening the component on the mounting plate without a DIN rail

**Art. No.**

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.