



- Surge arrester according to IEC EN 61643-11
- Combination surge arrester types 1 + 2 + 3 based on spark gap
- Type 2 surge arrester which does not require an external back-up fuse
- Fault message contact (1 change-over contact) signals if replacement is required
- Maintenance-free
- Can be integrated into the 8530 platform
- Modular design means that your system is easy to replace or expand
- Stub or V-shaped wiring possible depending on requirements
- Type 2 surge arrester equipped with "advanced circuit interruption" (ACI)

MY R. STAHL 8530G



R. STAHL's Series 8530/1-SPD surge arresters integrate into the innovative 8530 range as another highlight ensuring even greater safety in hazardous areas. In addition to a combination surge arrester which contains type 1, type 2 and type 3, a type 2-only surge arrester is also available. Both variants are completely maintenance-free, offering even greater system reliability in hazardous areas. If a replacement is required, the unit signals this via a built-in fault message contact.

Technical Data

Explosion Protection

Application range (zones)	1, 2
IECEx gas certificate	IECEx FMG 25.0039U
IECEx gas explosion protection	Ex db eb IIC Gb
ATEX gas certificate	FM25ATEX0039U
ATEX gas explosion protection	Ex II 2 G Ex db eb IIC Gb
Certificates	ATEX (FM), IECEx (FM)

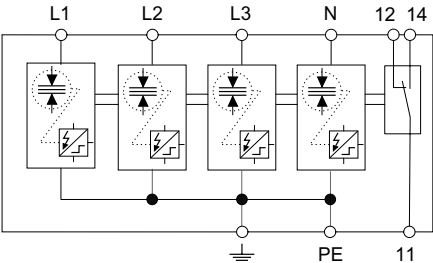
Electrical Data

Type of voltage	AC
Nominal voltage AC	230 V / 400 V
Max. continuous voltage	275 V
Max. continuous voltage L - PE	275 V
Max. continuous voltage N - PE	255 V
TOV characteristics	440 V/120 min. strength
Frequency	50 / 60 Hz
Lighting impulse current	20 kA
Max. protection level	1.6 kV
Network shape	TNS
Hybrid gen. open-circuit volt.	6 kV
Auxiliary function	Fault message contact
Rated operation. voltage AC FM	250 V
No. of poles	3 P + N + 2xPE
Rated operational current FM	0.5 A
Short-circuit strength	25 kA _{eff}
Arrester type	2

8530/1-SPD-STD1-2-TNS-ACI-3LN2-275-FM-4 Art. No. 340055

Ambient Conditions	
Service temperature °C	-40 °C ... 80 °C
Mechanical Data	
Degree of protection IP (IEC 60529)	IP20
Enclosure material	Thermoplast
Connection cross-section	1.5 ... 25 mm²
Connection cross-section 2	1.5 ... 10 mm²
Connection cross-section	0.5 ... 4 mm²
Width	110 mm
Width, inches	4.33 in
Depth	138.3 mm
Depth in inches	5.44 in
Length	165 mm
Length in inches	6.5 in
Enclosure size	4
Weight	1.6 kg
Weight	3.53 lb
Mounting / Installation	
Tightening torque	2 ... 3 N · m
Tightening torque auxiliary contact	0.4 ... 0.6 N · m

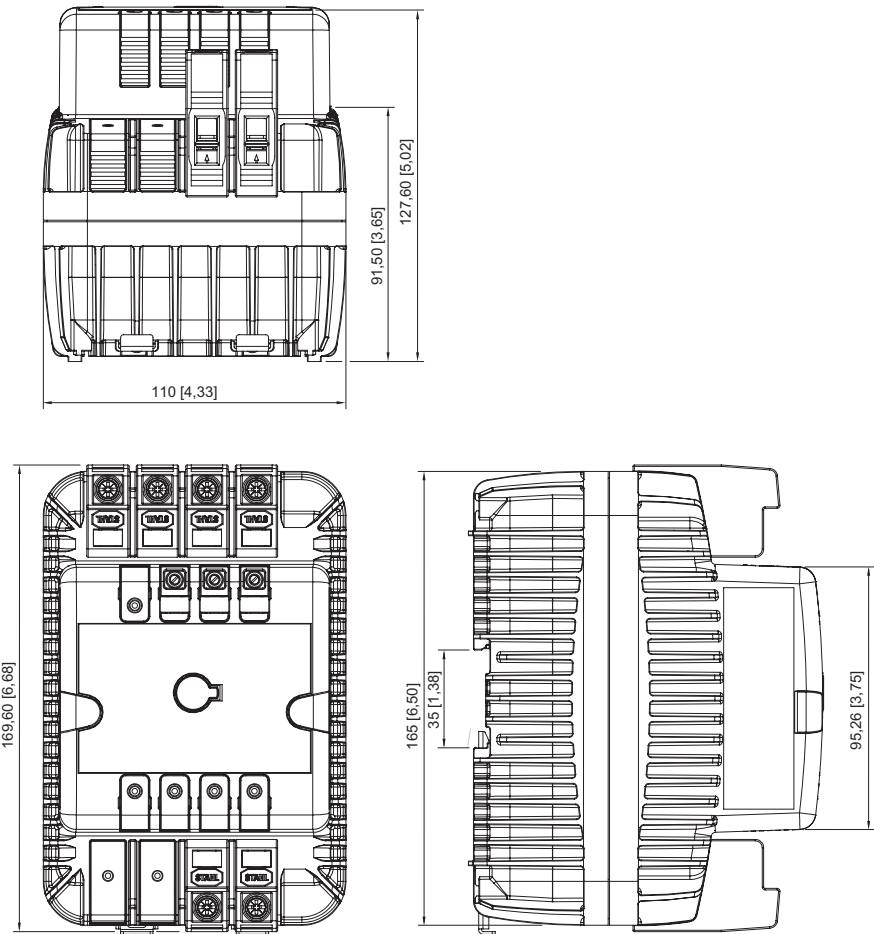
Technical Drawings – Subject to Alterations



Type 8530/1-SPD-STD1-2-TNS-ACI-3LN2

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



Accessories

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.