

8162C1-25-1 Art. No. 138573



- Improves safety by preventing condensation from building up in enclosures
- Continuous pressure equalisation between the enclosure and the environment
- Ex e type of protection (increased safety), max. degree of protection IP65

MY R. STAHL 8162A



R. STAHL's Series 8162 breathers ensure continuous pressure equalisation between the inside of the enclosure and the surrounding environment. This ventilation prevents moisture from entering the enclosure via the seals and condensing inside the enclosure. The breathers are made of moulded material and meet the requirements of degrees of protection up to IP65.

Technical Data

Explosion Protection

Application range (zones)	1, 2, 21, 22
IECEEx gas certificate	IECEEx PTB 06.0028
IECEEx gas explosion protection	Ex eb IIC Gb
IECEEx dust certificate	IECEEx PTB 06.0028
IECEEx dust explosion protection	Ex tb IIIC Db
ATEX gas explosion protection	II 2 G Ex eb IIC Gb
ATEX dust explosion protection	II 2 D Ex tb IIIC Db
Certificates	ATEX (PTB), IECEEx (PTB), USA (FM)
Declaration of conformity	ATEX (EUK)

Ambient Conditions

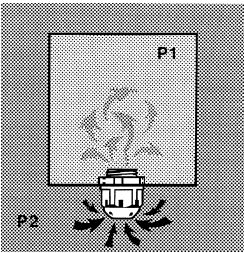
Ambient temperature	-40 °C ... +70 °C
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Mechanical Data

Degree of protection (IP)	IP65
Degree of protection note	when installed in enclosure side: IP64 for vertical installation IP65 for vertical downward installation
Material	Polyamide, Glass fibre reinforced
Silicone-free	Yes
Width across corners	32.5 mm
Thread size	M25
Thread pitch	1,5 mm
Mounting instruction	only permitted in enclosures with through hole
Nuts available	Without nut
Packaging unit	1
Weight	10 g
Weight	0.02 lb

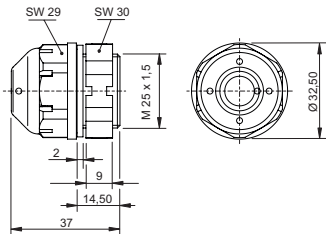
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Technical Drawings – Subject to Alterations



Pressure differences between the inside of the enclosure (P1) and the surrounding atmosphere (P2) due to temperature are reliably equalised by the breather. This minimises the build-up of condensation in the enclosure.

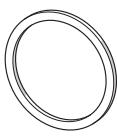
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



Accessories

		Art. No.
	Material: Polyamide, version with slits on both sides	138596
	Thread size: M25 x 1.5 1 pc.	

Spare Parts

		Art. No.
	Material: EPDM	111771
	M25 x 1.5 1 pc.	

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.