

8162/1-25-1 Art. No. 138573



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

WebCode 8162A



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

Technical Data

Explosion Protection

Application range (zones)	1 2 21 22
IECEX gas certificate	IECEX PTB 06.0028
IECEX gas explosion protection	Ex eb II Gb
IECEX dust certificate	IECEX PTB 06.0028
IECEX dust explosion protection	Ex tb IIIC Db
ATEX gas certificate	PTB 01 ATEX 1018
ATEX gas explosion protection	Ex II 2 G Ex eb II Gb
ATEX dust certificate	PTB 01 ATEX 1018
ATEX dust explosion protection	Ex II 2 D Ex tb IIIC Db
EAC certificate	TS RU S-DE.AA71.B.00083
EAC gas explosion protection	Ex 1 Ex e II Gb U
EAC dust explosion protection	Ex tb IIIC Db U
Certificates	ATEX (PTB), EAC (LPE), IECEX (PTB), USA (FM)

Ambient Conditions

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

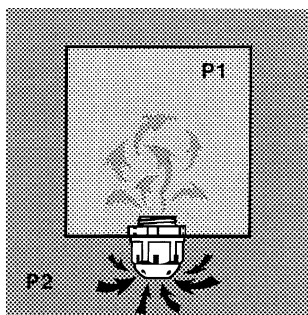
Degree of protection (IP)	IP65
Degree of protection note	when installed in enclosure side: IP64 for lateral mounting IP65 for vertical mounting downwards
Material	Polyamide
Material 2	Glass fibre reinforced
Silicone-free	Yes
Thread size	M25

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Mechanical Data

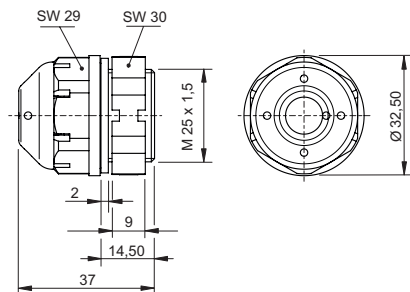
Thread pitch	1,5 mm
Mounting instruction	only permitted in enclosures with through hole
Nuts present	No
Packaging unit	1
Weight	0.01 kg
Weight	0.02 lb

Technical Drawings – Subject to Alterations



Temperature-related pressure differences between the inside of the enclosure (P1) and the surrounding atmosphere (P2) are balanced by the breather. The amount of condensation forming in the enclosure is thus kept to a minimum.

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



Accessories and Spare Parts

Felt gasket

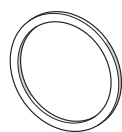


Felt
20 pieces

Art. No.

138595

Flat gasket (standard), EPDM (-40 ... +75 °C)



Material: EPDM
M25 x 1.5
1 piece

Art. No.

111771

8162/1-25-1 Art. No. 138573

Locknut, plastic

Art. No.



Material: Polyamide, version slotted on both sides
Thread size: M25 x 1.5
1 piece

138596

Material: Polyamide, version slotted on both sides
Thread size: M25 x 1.5
20 pieces

138598

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.