

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
- 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
IECEX gas certificate	IECEX PTB 06.0028
IECEX gas explosion protection	Ex eb IIC 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 IIC Gb
ATEX dust certificate	PTB 01 ATEX 1018
ATEX dust explosion protection	Ex II 2 D Ex tb IIIC Db
Certificates	ATEX (PTB), IECEX (PTB), USA (FM)
Declaration of conformity	ATEX (EUK)

#### Ambient Conditions

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

#### Mechanical Data

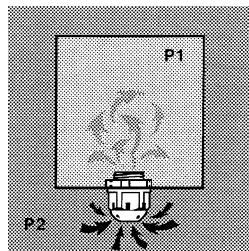
Degree of protection (IP)	IP65
Degree of protection note	when installed in enclosure side: IP64 for vertical installation IP65 for vertical downward installation
Material	Polyamide, Glass fibre reinforced
Silicone-free	Yes
Width across corners	32.5 mm
Thread size	M25
Thread pitch	1,5 mm
Mounting instruction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

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

### Mechanical Data

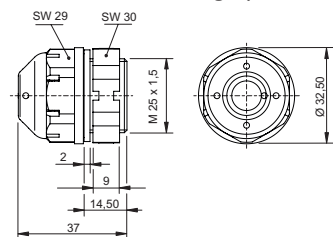
Weight	0.02 lb
--------	---------

### 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

### Jam nut, plastic



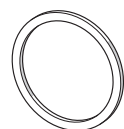
Material: Polyamide, version with slits on both sides  
Thread size: M25 x 1.5  
1 pc.

**Art. No.**

138596

## Spare Parts

### Flat seal (standard), EPDM (-40 to +75 °C)



Material: EPDM  
M25 x 1.5  
1 pc.

**Art. No.**

111771

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.