

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                      |
| 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 explosion protection   | ⊕ II 2 G Ex eb IIC Gb             |
| ATEX dust explosion protection  | ⊕ II 2 D Ex tb IIIC Db            |
| Certificates                    | ATEX (PTB), IECEX (PTB), USA (FM) |
| Declaration of conformity       | ATEX (EUK)                        |

#### Ambient Conditions

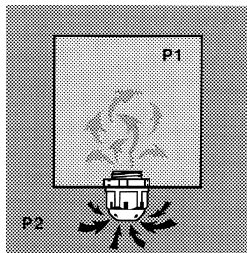
|                     |                   |
|---------------------|-------------------|
| Ambient temperature | -40 °C ... +70 °C |
|---------------------|-------------------|

#### Mechanical Data

|                           |  |
|---------------------------|--|
| Degree of protection (IP) | IP65   |
| Degree of protection note | when installed in enclosure side:<br>IP64 for vertical installation<br>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  |

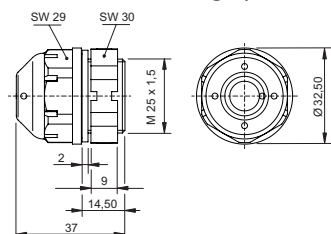
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### Technical Drawings – Subject to Alterations



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

### Jam nut, plastic



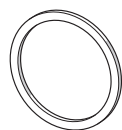
Material: Polyamide, version with slits on both sides  
Thread size: M25 x 1.5  
1 pc.

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.