

Breather Series 8162



www.stahl.de



- > Type of protection "Increased safety"
- > For ventilation and draining Ex e enclosures
- > Degree of protection max. IP65



01886E00

Breathers provide continuous pressure equalisation between the inside of the enclosure and the atmosphere around the enclosure. This prevents moisture from entering the enclosure via the seals and condensing inside the enclosure.

| | ATEX / IECEx | | | | | | Division | NEC 500 | | | | | |
|------------|--------------|---|---|----|----|----|----------|---------|---|----------|---|-----------|--|
| | 0 | 1 | 2 | 20 | 21 | 22 | | Class I | | Class II | | Class III | |
| Zone | | | | | | | 1 | 2 | 1 | 2 | 1 | 2 | |
| For use in | | x | x | | x | x | | x | | | | | |

E10

WebCode 8162A

Breather

Series 8162

Selection Table

| Version | Locknut | Thread size | Packaging unit pieces | Art. no. | Weight kg |
|-----------------------------------------------|--------------|-------------|--------------------------|---------------|--------------|
| Breather made of moulded material Series 8162 | with locknut | M25 x 1.5 | 1 | 138578 | 0.020 |
| | | | 20 | 138580 | 0.400 |

Explosion Protection

Global (IECEX)

| | |
|--------------|----------------------------------------------------|
| Gas and dust | IECEX PTB 06.0028 Ex eb IIC Gb Ex tb IIIC Db |
|--------------|----------------------------------------------------|

Europe (ATEX)

| | |
|--------------|---------------------------------------------------------------------|
| Gas and dust | PTB 01 ATEX 1018 ⊕ II 2 G Ex eb IIC Gb ⊕ II 2 D Ex tb IIIC Db |
|--------------|---------------------------------------------------------------------|

Certifications and certificates

| | |
|--------------|------------------------------------------------------------------------------------------------|
| Certificates | IECEX, ATEX, Canada (CSA), Kazakhstan (TR), Russia (TR), Serbia (SRPS), USA (FM), Belarus (TR) |
|--------------|------------------------------------------------------------------------------------------------|

Technical Data



Ambient conditions

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

Mechanical data

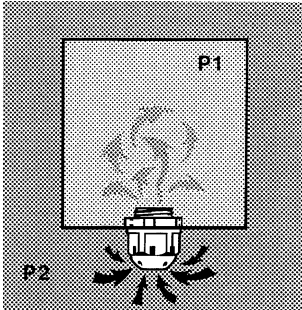
| | |
|----------------------|--------------------------------------------------------------------------------------------------------|
| Degree of protection | when installed in enclosure side: IP64 for lateral mounting IP65 for vertical mounting downwards |
| Material | |
| Breather | polyamide |
| Locknut | polyamide |
| Thread size | M25 x 1.5 |
| Tightening torque | ≤ 4 Nm (nut) |
| Mounting | only permitted in enclosures with through hole |

Accessories and Spare Parts

| Designation | Figure | Description | | Art. no. | Weight kg |
|--------------|-------------------------------------------------------------------------------------------------|------------------------------------------|-----------|---------------|--------------|
| Locknut |  05570E00 | polyamide; version slotted on both sides | 1 piece | 138596 | 0.004 |
| | | polyamide; version slotted on both sides | 20 pieces | 138598 | 0.200 |
| Sealing ring |  04968E00 | M25 x 1.5 EPDM | 1 piece | 111771 | 0.001 |

Operating mode

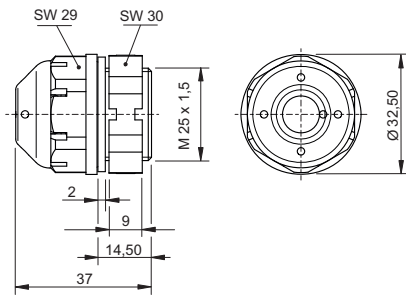
Explanation of the breather operating mode



09141T00

Temperature-related pressure differences between the inside of the enclosure (P1) and the atmosphere around the enclosure (P2) are safely balanced by the breather. This limits to the minimum condensation of water in the enclosure.

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



12061E00

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.