



- 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

E10

WebCode 8162A

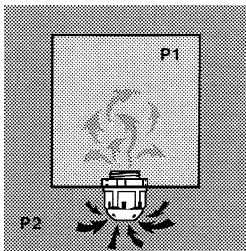


R. STAHL's 8162 series breathers provide continuous pressure equalisation between the inside of the enclosure and the atmosphere around the enclosure. This ventilation prevents moisture from entering the enclosure via the seals and condensing inside the enclosure. The breathers are made from moulded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

	IECEx / ATEX					
Zone	0	1	2	20	21	22
Installation in		•	•		•	•

Selection Table					
Material	Polyamide, Glass fibre reinforced				
Nuts available	Thread size		Packaging unit	Art. No.	Weight
With nut	M25		20	285801	400 g

Technical Data	
Explosion Protection	
IECEx gas explosion protection	Ex eb IIC Gb
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)
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 lateral mounting IP65 for vertical mounting downwards
Material	Polyamide, Glass fibre reinforced
Silicone-free	Yes
Mounting instruction	only permitted in enclosures with through hole



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.

