

Breathing Glands in Moulded Plastic

Series 8162



- > Explosion protection type „increased safety“
- > For ventilation and draining Ex e enclosures
- > Degree of protection max. IP65



01886E00

Breathing glands provide continuous pressure equalisation between the inside of the enclosure and the atmosphere around the enclosure. In this way moisture is prevented from entering the enclosure via the seals and condensing inside the enclosure.

	ATEX / IECEx					
	0	1	2	20	21	22
Zone						
For use in		x	x		x	x

	Class I		Class II		Class III	
	1	2	1	2	1	2
Division						
For use in		x				

WebCode 8162A

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Selection Table

Version	Locknut	Thread size	Packing unit pieces	Order number	Weight kg
Breathing gland in plastic Series 8162	without locknut	M25 x 1.5	1	138573	0.010
			20	138576	0.200
	with locknut	M25 x 1.5	1	138578	0.020
			20	138580	0.400

Explosion Protection

Marking

IECEX	
Gas explosion protection	Ex e II
Dust explosion protection	Ex tD A21 IP65, IP64
Europe (ATEX)	
Gas explosion protection	⊕ II 2 G Ex e II
Dust explosion protection	⊕ II 2 D Ex tD A21 IP65, IP64

Certificates

IECEX	IECEX PTB 06.0028
Europe (ATEX)	PTB 01 ATEX 1018
Other certificates	Canada (CSA), Kazakhstan (JSC), Belarus (Gospromnadzor), USA (FM)

Technical Data




Ambient conditions

Ambient temperature	- 20 ... + 70 °C
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Mechanical data

Degree of protection	when fitting into enclosure side: IP64 for random installation IP65 for vertical installation, downwards
Material	
Breathing gland	Polyamide
Locknut	Polyamide
Thread	M25 x 1.5

Accessories and Spare Parts

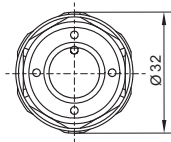
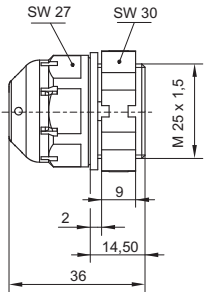
Designation	Illustration	Description		Order number	Weight kg
Locknut	 05570E00	Polyamide; version slotted on both sides	1 piece	138596	3.240
		Polyamide; version slotted on both sides	20 pieces	138598	0.200
Felt washer	 05571E00	Felt	20 pieces	138595	0.200
Sealing ring	 04968E00	M25 x 1.5 EPDM	1 piece	111771	0.001

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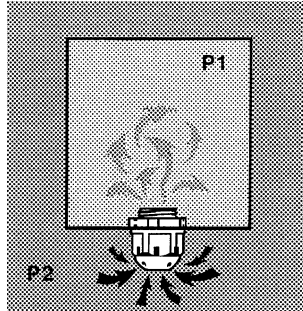
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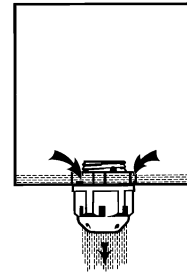
Dimensional Drawings (All Dimensions in mm) - Subject to Alterations



12061E00



07997E00



07998E00

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.

Water which has penetrated the equipment drains out via the breather.

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.