

SOLENOID VALVES | Special Purpose

Explosion proof

GEM-SOL® | BE32 (GEM-BE)

Explosion Proof Coil

Technical Data

Protection type	<p>Ex II 2 G Ex mb IIC T6 Gb IP65 :</p> <ul style="list-style-type: none"> II : Equipment group: All hazardous areas except mining. 2 G (zone 1): An area in which an explosive mixture is likely to occur in normal operation. Zone 1 : likely to/can exist under normal operating conditions (include zone 2). mb: Type of protection for electrical apparatus : Encapsulation for use in zones 1 & 2. IIC: Gas groups Acc. IEC, CENELEC and NEC 505. Typical gas : Hydrogen T6: Maximum surface temperature : 85°C Gb: Equipment Protection Level : Gas atmospheres, "high" level of protection. IP65: Ingress Protection level
Coil winding insulation	Class H (180°C)
Standard / Certification	<p>DEMKO 08 ATEX 143928X EN 60079-0 : 2012 + A11 : 2013 EN 60079-18 : 2009 Directive 94/9/EC</p> <p>IECEx UL 14.0051X IEC 60079-0 : 2011 Edition 6.0 IEC 60079-18 : 2009 Edition 3</p>
Coil duty cycle	100%
Electrical connection	PVC cable with 18 AWG (0.75 mm ²) conductors
Assembly	In any position, fixing with G1/4" hexagonal nut
Coil voltage	<ul style="list-style-type: none"> Voltage and power consumption - see table All Baccara coil voltages are ± 10% of nominal



- The coil should not be energized without being assembled on the operator

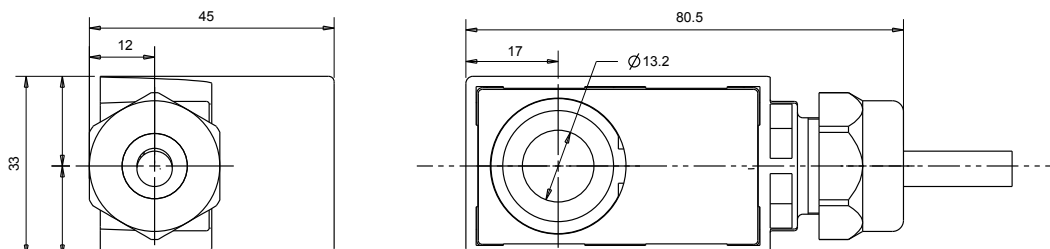
Voltage & Power Consumption Table

V	AC (W)						DC (W)		
	50 Hz			60 Hz			10	5.5	3.5
6							•	•	
12	•			•			•	•	
24	•	•		•	•		•	•	
48	•			•			•		
110	•			•	•		•		
120	•			•	•		•		
220	•	•		•			•		
230	•	•		•	•		•		
240	•			•			•		

- Available options

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Dimensions



How to Order

GEM-BE	-	TYPE	-	VOLTAGE		POWER ⁽¹⁾
		1		12	2	1W
				24	3	
				48	4	
				115	5	
				230	7	

Example: GEM-BE-1-31

GEM-SOL Explosion proof coil, 24V, both AC & DC current.

GEM-BE - 1 - 3 - 1

(1) The power rating is an average value at holding

* To order coils manufactured according to your specific requirements, please contact our technical sales department.