

General

The solenoid with types of protection "encapsulation" and "increased safety" can be used on all solenoid valves with standard solenoid size 2 of Eugen Seitz AG.

Application

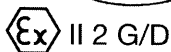
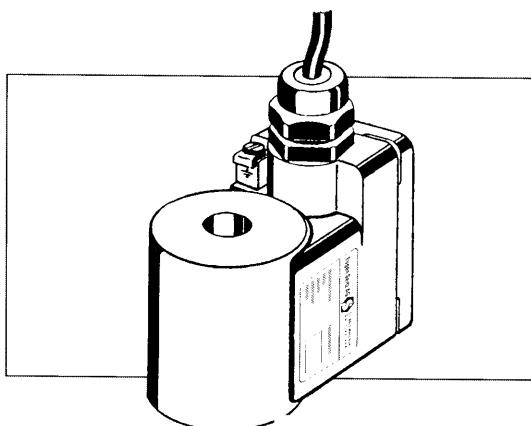
Valves equipped with solenoid EEx em are permitted for applications in hazardous areas of zone 1, 2, 21 and 22.

The classification EEx em T4 allows applications in all 3 explosion groups (IIA, IIB, IIC). The solenoid is suitable for temperature classes T1 ... T4; temperature classes T5 and T6 on inquiry.

Coil and internal elements are completely impregnated by a high-quality casting compound and thus ensure a high reliability. The solenoid EEx em II is obtainable either with cable-terminal box or with factory-connected cable (1.5m). In addition, designs with built-in fuses are available. This dispenses with the otherwise essential external fuse.

EEx em II T4

- Solenoid for hazardous areas
- PTB 00 ATEX 2211 X
- CEPEL-EX-002/95X
- AUS Ex 02.3824X
- NEPSI-Certification No. GYJ03331X



Circuit types

- A = for direct current (DC); wired with VDR
 C = for alternating current (AC); with built-in half wave rectifier and recovery diode
 F = for direct current and alternating current (UC); with built-in bridge rectifier

How to order

solenoid type according to type overview

2 C 52 230 V 50 Hz
 frequency
 rated voltage
 construction type
 circuit type
 size

Type overview

Connection	Terminal		Cable	
built-in fuse	no	yes	no	yes
Solenoid type	DC	2A52 2A53	2A54	2A55
	AC	2C52	2C54	2C55
	UC	2F52 2F53	2F54	2F55
Rated voltage	24 V	24 V	24 V	24 V
	60 V		60 V	
	110 V		110 V	
	125 V		125 V	
	230 V		230 V	
Degree of protection	IP 65			
Weight	~660 g		~880 g	

Technical Data

Operating time

100% ED (continuous duty)

Rated voltage

24 V, 60 V, 110 V, 125 V, 230 V

Tolerance -15% ... +10%

Voltage type

- alternating current 50 ... 60 Hz (±2%)
- direct or universal current

Rated power

- direct current ... 12W
- alternating current ... 15VA

Insulating class

- wire H (180 °C)
- other parts F (155 °C)

Ambient/Media temperature

- up to +40°C
- applications for temperatures up to +60°C on inquiry

Temperature class

- T4: standard
- T5/T6: available with low power rating

Material

- housing: steel, red epoxy coated;
- cable-terminal box/cover: polyamide 6, black

Cable entry thread

M20 x 1.5

Mounting position

optional

Dimensional drawing

