New ATEX solenoids from IMI Buschjost

This saves power and lowers operating costs. This means that power stages in every series offer higher flexibility and allow for -40 to +60 degrees Celsius. Furthermore, the new models are suitable for ambient temperatures of -20 and +40 degrees Celsius, the new models are suitable for environments where it is absolutely necessary. IMI Precision Engineering has developed special ATEX solenoids for such environments. These have been recently revised completely, going over to a new generation of solenoids which will be available from April 2019 as new series 61xx and 62xx, and which will completely replace their old counterparts.

Following the redesign, there have also been changes characterised by an improved splash-water protection. The protection class was successfully increased to explosion group IIB, the new solenoids were classified in ambient temperature groups II 2D Ex mb tb IIIB T150°C Db IP66. These new ex-proof solenoids, if and when necessary, and when equipment can quickly and easily be converted to the new explosion-proof solenoids, if and when necessary.

Clients who are currently using the old generation models can have confidence knowing that in addition to all new explosion-proof solenoids, if and when necessary, they can be equipped with the proven Twist-on® or Click-on® fastening technologies.

The easy-to-install explosion-proof solenoids from IMI Buschjost also stand out due to their easy handling: Both systems allow a tool-free assembly of the solenoid. The Click-on® system holds the solenoid with a clip made from stainless steel securely in three different positions by turning the solenoid in place, irrespective to the mounting position.

Solenoid types 61xx – 6176

- Electrical power: 0.8 W
- Temperature class: T5
- Body: Plastic
- Ambient temperature: -20 ... +40 °C / +50 °C
- Voltage range: 72 ... 250 V
- Rated frequency: 40 ... 60 Hz

Solenoid types 6120 – 6126

- Electrical power: 8 W
- Temperature class: T5
- Body: Plastic
- Ambient temperature: -20 ... +40 °C / +45 °C
- Voltage range: 72 ... 250 V
- Rated frequency: 40 ... 60 Hz

Solenoid types 6200 – 6206

- Electrical power: 9 ... 12 W
- Temperature class: T3 ... T4
- Body: Plastic
- Ambient temperature: -20 ... +40 °C / +45 °C
- Voltage range: 72 ... 250 V
- Rated frequency: 40 ... 60 Hz

Solenoid types 6220 – 6226

- Electrical power: 16 ... 22 W
- Temperature class: T3 ... T4
- Body: Plastic
- Ambient temperature: -20 ... +40 °C / +55 °C
- Voltage range: 72 ... 250 V
- Rated frequency: 40 ... 60 Hz

Solenoid types 6240 – 6246

- Electrical power: 12 ... 18 W
- Temperature class: T3 ... T4
- Body: Plastic
- Ambient temperature: -20 ... +40 °C / 24 ... 250 V AC
- Voltage range: 12 ... 250 V DC
- Rated frequency: 40 ... 60 Hz

Variations for ambient temperatures

Variations for ambient temperatures

Is there a need for customised valves?

Send an email to buschjost@imi-precision.com or call +49 (0) 5731 / 791 – 0.
**ATEX solenoids**

**All benefits at a glance**

- Worldwide use is possible due to ATEX and IECEx approvals
- No restrictions in gas areas – Explosion group IIC
- Improved splash-water protection due to IP66
- Halving assembly time by using one central cover screw and exposable spring clamp terminals
- Consistent connection due to new terminal box design
- Reliable cable connection side thanks to terminal box cover with IMI rotation

**New ex-proof solenoid generation**

Reliable protection in potentially explosive areas

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IMI Precision Engineering is a world leader in fluid and motion control. Building close, collaborative relationships with our customers, we gain a deep understanding of their engineering needs and then mobilise our resources and expertise to deliver distinctive products and solutions. Wherever precision, speed and engineering reliability are essential, our global footprint, problem-solving capability and portfolio of high performance products enables us to deliver GREAT solutions which help customers tackle the world’s most demanding engineering challenges.

**Reliability**

We deliver and support our high quality products through our global service network.

**High-performance products**

Cutting-edge design and manufacturing techniques ensure our products are built to last and exceed international standards. All IMI Norgren, IMI Buschjost, IMI FAS, IMI Herion and IMI Maxseal products are designed, built and tested to our严格 quality control standards.

**Partnership & Problem Solving**

We get closer to our customers to understand their exact challenges.

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