# APPLICATION NOTES

**AB 13 EN**

**Solenoid Valve RFQ Form**

| **Contact details** | | | |
|---|---|---|---|
| Name: | | Company: | |
| Customer number: | | Phone: | |
| E-mail: | | Fax: | |
| Address: | | Zip code: | |
| Town/city: | | Country: | |

**Valve**

| **Requirements** | |
|---|---|
| Switching function:<br>☐ 2/2 ☐ 3/2 ☐ 6/2<br>☐ 5/2 _____ ☐ 5/3 _____ | Valve version:<br>☐ Attachment to rib/cast yoke ☐ NAMUR 3845<br>☐ NAMUR 3847/direct att. ☐ Customized hook-up<br>☐ _____ |
| Normal position:<br>☐ NC ☐ NO ☐ Not defined | Actuation type:<br>☐ Electric ☐ Pneumatic<br>☐ _____ |
| Principle of operation:<br>☐ Pilot operated ☐ Direct action | Valve material:<br>☐ Aluminum ☐ Stainless steel ☐ _____ |
| Medium:<br>☐ Instrument air ☐ Water<br>☐ _____ | Connection size: _____ Inch specifications with<br>☐ G thread ☐ NPT thread |
| Operating pressure: from _____ to _____ bar | $K_v$: _____ $m^3/h$<br>Flow rate: _____ l/min ($\Delta p$ = 1 bar) |
| Actuator information: _____ | Application: ☐ On/off ☐ Throttling service |
| Restriction:<br>☐ Supply air ☐ Exhaust air ☐ _____ | Required actuating time: _____ sec. |
| **Optional requirements** | |
| Type of manual operation:<br>☐ Without ☐ Pushbutton<br>☐ Detent mechanism<br>☐ _____ | SIL (IEC 61508/61511): ☐ Yes ☐ No<br>Level: _____<br>TÜV/DVGW: ☐ Yes ☐ No |

## Magnet

**Requirements**

Voltage: _____ ☐ AC voltage ☐ DC voltage

Degree of protection:
☐ IP 54 ☐ IP 65 ☐ IP 66 ☐ NEMA 4/4X
☐ _____

Ambient temperature:
_____ to _____ °C

Electrical connection: ☐ M16x1.5
☐ M20x1.5 ☐ ½ NPT ☐ _____

Housing material:
☐ Aluminum ☐ Stainless steel ☐ Plastic ☐ _____

Electrical connection:
☐ Blanking plug ☐ Adapter to ½ NPT ☐ Black cable gland
☐ Blue cable gland ☐ Form A connector ☐ _____

## Explosion protection

**Requirements**

Type of protection
☐ None ☐ Ex ia ☐ Ex d ☐ Ex e ☐ Ex nA/ic
☐ _____
Temperature class (T1 to T6): T _____
Insulation class: ☐ _____

Device group: ☐ I ☐ II
Atmosphere: ☐ Gas ☐ Dust
Zone: ☐ 0 ☐ 1 ☐ 2 ☐ 20 ☐ 21 ☐ 22
Explosion group: ☐ IIA ☐ IIB ☐ IIC ☐ IIIA ☐ IIIB ☐ IIIC

**Optional requirements**

☐ ATEX ☐ IECEx ☐ EAC (GOST) ☐ NEPSI ☐ KCS-Korea (KOSHA) ☐ CSA/FM ☐ TR/CU
Other certificates: ☐ _____

## Documentation

**Optional documentation**

SIL (IEC 61508/61511): ☐ 2.1 certificate ☐ 2.2 certificate ☐ 3.1 certificate (function)
Further documents: _____

## Comment

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