

# Valves series A1

## 1/2", 5/2 - 5/3, electrically operated



### Standard executions

| Version   | Symbol | Code   | Item   |
|---|--------|--------|--------|
| 5/2 solenoid/spring                             |        | 034114 | A1E450 |
| 5/2 solenoid/solenoid                           |        | 034115 | A1E451 |
| 5/2 solenoid/solenoid differential              |        | 034139 | A1E452 |
| 5/3 with closed centres                         |        | 034124 | A1E470 |
| 5/3 with open centres                           |        | 034125 | A1E471 |
| 5/3 with pressurised centres                    |        | 034126 | A1E472 |
| 5/2 solenoid/spring, external air pilot         |        | 034138 | A1K450 |
| 5/2 solenoid/solenoid external air pilot        |        | 034140 | A1K451 |
| 5/3 with closed centres, external air pilot     |        | 034159 | A1K470 |
| 5/3 with open centres, external air pilot       |        | 034160 | A1K471 |
| 5/3 with pressurised centres external air pilot |        | 034161 | A1K472 |



Series of spool valves, with static seals, high flow, for panel mounting.

Coils and connectors have to be ordered separately.

For the coils type ASA12.../ASA2...

see page 2.200.1

For the connectors type A122...

see page 2.210.20

### Code key

| Series | Actuation  | Size     | Function   |
|--------|--|----------|--|
| A1     | E = electrical<br>K = electrical with external air pilot | 4 = 1/2" | 50 = 5/2 solenoid/spring<br>51 = 5/2 solenoid/solenoid<br>52 = 5/2 solenoid/solenoid differential<br>70 = 5/3 CC<br>71 = 5/3 OC<br>72 = 5/3 PC |



II 2Gc IIB T5  
II 2Dc T100°C

On request, they can be supplied according to 2014/34/EU - ATEX

### Technical data

|                           |  |                      |   |
|---------------------------|--|----------------------|---|
| Fluid                     | Compressed filtered air with or without lubrication. Lubrication, if started, must be continued.   |                      |   |
| Pressure range            | 0 ÷ 10 bar   |                      |   |
| Temperature range         | -10°C ÷ +60°C  |                      |   |
| Orifice                   | 15 mm  |                      |   |
| Flow                      | 2900 NI/min at 6 bar with ΔP 1 bar   |                      |   |
| Minimum piloting pressure | Spring return: 2,5 bar   | Bistable: 1 bar      | 3 positions: 2,5 bar                      |
| Mounting                  | In any position  |                      |   |
| Manual override           | Bistable on solenoid pilot - Spring return on valve body   |                      |   |
| Response time (at 6 bar)  | solenoid/spring  |                      | solenoid/solenoid                         |
|                           | Energising: 60 ms  | De-energising: 36 ms | Energising: 30 ms<br>De-energising: 30 ms |
| Materials                 | Body: Anodised aluminium<br>Covers: Anodised aluminium<br>Spool: Hard aluminium anodized<br>Distancers: Aluminium<br>Seals: Hydrogenated Nitrile Butadiene Rubber (HNBR) |                      |   |

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