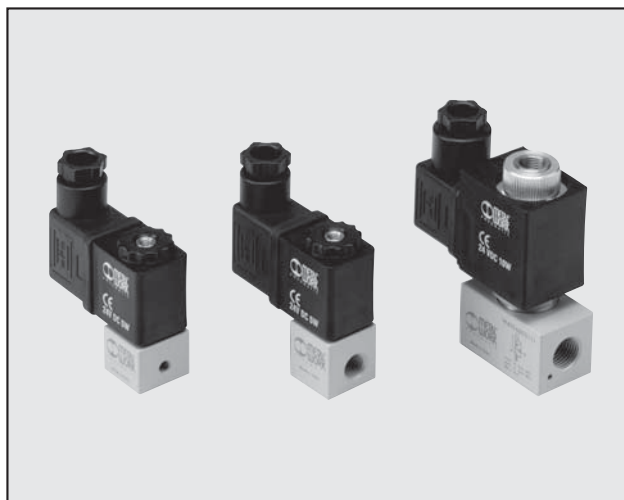


## PIV VALVES IN LINE

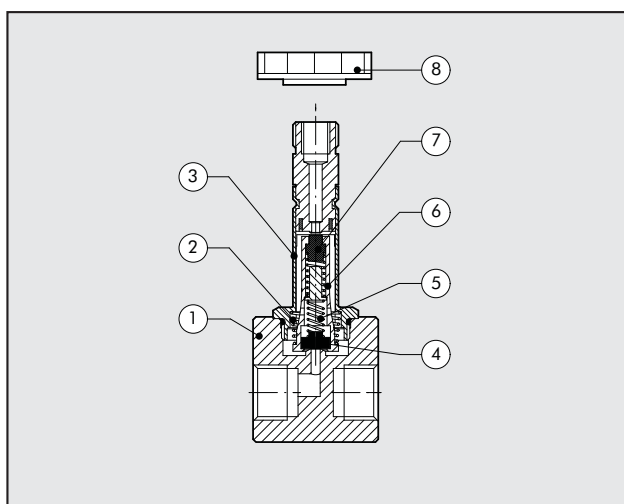
- PIV.I – PIV.B in-line solenoid valves
- Threaded ports: M5 G1/8" G1/4"
- 2/2 – 3/2 solenoid valves - normally closed/normally open
- Installation in any position
- Particularly suitable for high operating frequencies and low response times.



| TECHNICAL DATA              |                | PIV.I IN LINEA                                                                      | PIV.B IN LINE                           |
|-----------------------------|----------------|-------------------------------------------------------------------------------------|-----------------------------------------|
| Absorption                  | W              | 5.5W - 5.5VA                                                                        | 10W - 13VA                              |
| Voltage available           | V              | 24Vdc - 24-110-220 Vac - 50/60 Hz                                                   | 24Vdc - 24-110-220 Vac - 50/60 Hz       |
| Voltage tolerance           | $\Delta V$     | -10 to +15%                                                                         | -10 to +15%                             |
| Maximum operating frequency | f              | 30 Hz                                                                               | 15 Hz                                   |
| Solenoid rating             | ED             | 100%                                                                                | 100%                                    |
| Response time               | t              | 8 ÷ 15 msec                                                                         | 10 ÷ 15 msec                            |
| Type of protection          |                | IP 65                                                                               | IP 65                                   |
| Type of coil                |                | coil side 22 Ø 8 DIN 43650                                                          | coil side 30 DIN 43650                  |
| Insulation class            | F              | 155                                                                                 | 155                                     |
| Ambient temperature         | T <sub>e</sub> | -15 ÷ 50°C                                                                          | -15 ÷ 50°C                              |
| Fluid temperature           | T <sub>g</sub> | -15 ÷ 50°C                                                                          | -15 ÷ 50°C                              |
| Fluid                       |                | filtered lubricated or unlubricated air                                             | filtered lubricated or unlubricated air |
| Working life                |                | 25 million cycles                                                                   | -                                       |
| Weight                      | [g]            | 35 to 140 g (depending on version)                                                  | 130 g                                   |
| Maximum coil/nut torque     |                | 1 Nm                                                                                | 1 Nm                                    |
| Note on use                 |                | <b>The 2/2 NC and 2/2 NO valves work only with inlet pressure ≥ outlet pressure</b> |                                         |
|                             |                |                                                                                     |                                         |
|                             |                |                                                                                     |                                         |
|                             |                |                                                                                     |                                         |
|                             |                |                                                                                     |                                         |

### COMPONENTS

- ① Body: aluminium
- ② Springs: steel
- ③ Sleeve
- ④ Gasket: NBR
- ⑤ Springs: steel
- ⑥ Mobile core
- ⑦ Gasket: FKM/FPM
- ⑧ Coil locking ring

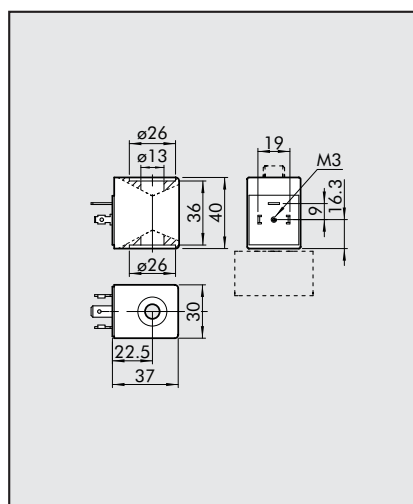




## KEY TO CODES

| P      | I | V      | 7        |        | 2                                                                     | B          |        | 4      | S        |                                        | N | C               |  |
|--------|---|--------|----------|--------|-----------------------------------------------------------------------|------------|--------|--------|----------|----------------------------------------|---|-----------------|--|
| FAMILY |   |        | AIR HOLE |        | NUMBER OF WAYS                                                        | CONNECTION |        | THREAD |          | VERSION                                |   | FURTHER DETAILS |  |
|        | 4 | 1.2 mm | 2        | 2 ways | I<br><br>22x22<br>operator Ø 8<br><br>B<br><br>30x30<br>operator Ø 13 | 5          | M5     | S      | Standard | NC normally closed<br>NO normally open |   |                 |  |
|        | 7 | 1.6 mm | 3        | 3 ways |                                                                       | 4          | G1/4'' |        |          |                                        |   |                 |  |
|        | 9 | 2.4 mm |          |        |                                                                       | 8          | G1/8'' |        |          |                                        |   |                 |  |
|        | W | 3 mm   |          |        |                                                                       |            |        |        |          |                                        |   |                 |  |
|        | X | 4 mm   |          |        |                                                                       |            |        |        |          |                                        |   |                 |  |
|        | Z | 6 mm   |          |        |                                                                       |            |        |        |          |                                        |   |                 |  |

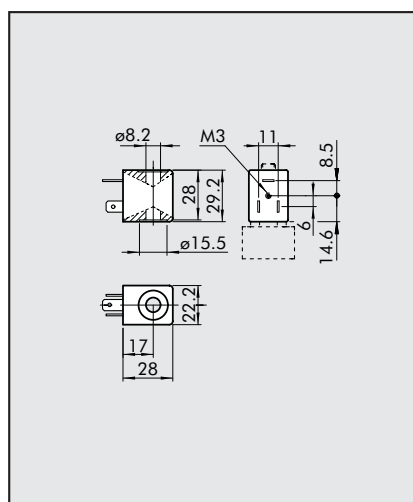
## COIL, SIDE 30 mm - FOR PIV.B SOLENOID VALVES



- Voltage tolerance: - 10 / + 15%
- Insulation class: M180
- Degree of protection: IP65 – EN60529 with connector
- Avoid prolonged exposure to the atmospheric agents

| Code        | Nominal voltage | Absorption (average) | Abbrev.                 |
|-------------|-----------------|----------------------|-------------------------|
| W0216001001 | 24Vcc           | 10W                  | Coil 30 Ø13 10W-24VDC   |
| W0216001011 | 24V 50/60Hz     | 13VA                 | Coil 30 Ø13 13VA-24VAC  |
| W0216001021 | 110V 50/60Hz    | 13VA                 | Coil 30 Ø13 13VA-110VAC |
| W0216001031 | 220V 50/60Hz    | 13VA                 | Coil 30 Ø13 13VA-220VAC |
|             |                 |                      |                         |
|             |                 |                      |                         |
|             |                 |                      |                         |
|             |                 |                      |                         |
|             |                 |                      |                         |
|             |                 |                      |                         |

## COIL, SIDE 22 mm - FOR PIV.I SOLENOID VALVES



- Voltage tolerance: - 10 / + 15%
- Insulation class: F155
- Degree of protection: IP65 – EN60529 with connector
- Avoid prolonged exposure to the atmospheric agents
- Maximum temperature of coil at 100% use: 70°C at 20° ambient temperature
- According to Atex 94/9 CE rule, group 2, category 3 GD

| Code          | Nominal voltage | Absorption |         | Abbrev.                    |
|---------------|-----------------|------------|---------|----------------------------|
|               |                 | Inrush     | Holding |                            |
| W 0215 000151 | 12Vcc           | 2W         | 2W      | Coil 22 Ø8 BA 2W-12VDC     |
| W 0215 000101 | 24Vcc           | 2W         | 2W      | Coil 22 Ø8 BA 2W-24VDC     |
| W 0215 000111 | 24V 50/60Hz     | 5.3VA      | 3.5VA   | Coil 22 Ø8 BA 3.5VA-24VAC  |
| W 0215 000121 | 110V 50/60Hz    | 5.3VA      | 3.5VA   | Coil 22 Ø8 BA 3.5VA-110VAC |
| W 0215 000131 | 220V 50/60Hz    | 5.3VA      | 3.5VA   | Coil 22 Ø8 BA 3.5VA-220VAC |
| W 0215 000051 | 12Vcc           | 5W         | 5W      | Coil 22 Ø8 5W-12VDC        |
| W 0215 000001 | 24Vcc           | 5W         | 5W      | Coil 22 Ø8 5W-24VDC        |
| W 0215 000011 | 24V 50/60Hz     | 8VA        | 5VA     | Coil 22 Ø8 5VA-24VAC       |
| W 0215 000021 | 110V 50/60Hz    | 8VA        | 5VA     | Coil 22 Ø8 5VA-110VAC      |
| W 0215 000031 | 220V 50/60Hz    | 8VA        | 5VA     | Coil 22 Ø8 5VA-220VAC      |
|               |                 |            |         |                            |
|               |                 |            |         |                            |

