

Ball Valve with Electrical Actuator

6R750F - Ball valve (Series 6R), with electrical part-turn actuator (COMPACT), 5-way, with L-bore

Connection plan for ball valves with 4 positions of series 6R

| terminal board | PIN plug | colour | function |
|----------------|----------|--------|------------|
| 1 | 1 | red | 24V DC |
| 2 | 2 | white | GND |
| 3 | 3 | brown | BCD input |
| 4 | 4 | pink | BCD input |
| 9 | 5 | yellow | BCD output |
| 10 | 6 | green | BCD output |

Once the supply voltage of + 24VDC is connected to the red wire and the white wire to GND, the feedback from the BCD outputs can be taken. If a new position to be selected, the correct signal code can be taken from the table.

| Input | | |
|------------|-------------|----------|
| Pin 4 pink | Pin 3 brown | Position |
| 0 | 0 | 1 |
| 24V | 0 | 2 |
| 0 | 24V | 3 |
| 24V | 24V | 4 |

The control of the positions is via the input voltage of + 24V DC. It is important to note that the same potential as the power supply board is available.

The feedback + 24VDC of the positions 1 to 4 can be taken on the yellow and green wire and can be connected to a PLC.

| Output | | |
|-------------|--------------|----------|
| Pin 6 green | Pin 5 yellow | Position |
| 0 | 24V | 1 |
| 24V | 0 | 2 |
| 24V | 24V | 3 |
| 0 | 0 | 4 |

The feedback of the positions has output voltage of 24V DC. It is important to note that the same potential as the power supply board is available.