

Proportional directional valves, pilot operated, with electrical position feedback and integrated electronics (OBE)

1/9

Type 4WRKE

Size 10 to 35
Component series 3X
Maximum operating pressure 350 bar
Maximum flow 3,000 l/min



H/A/D 6512

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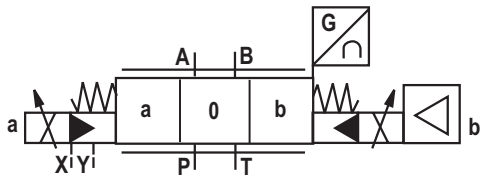
Symbols

Simplified

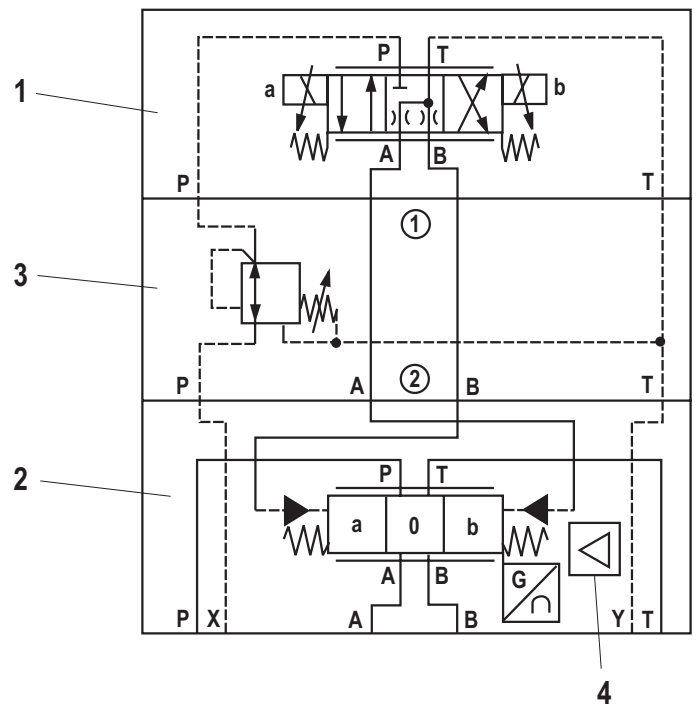
Example:

Pilot oil supply external

Pilot oil drain external

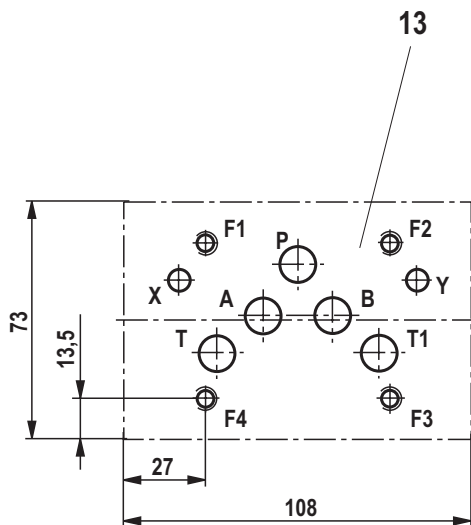
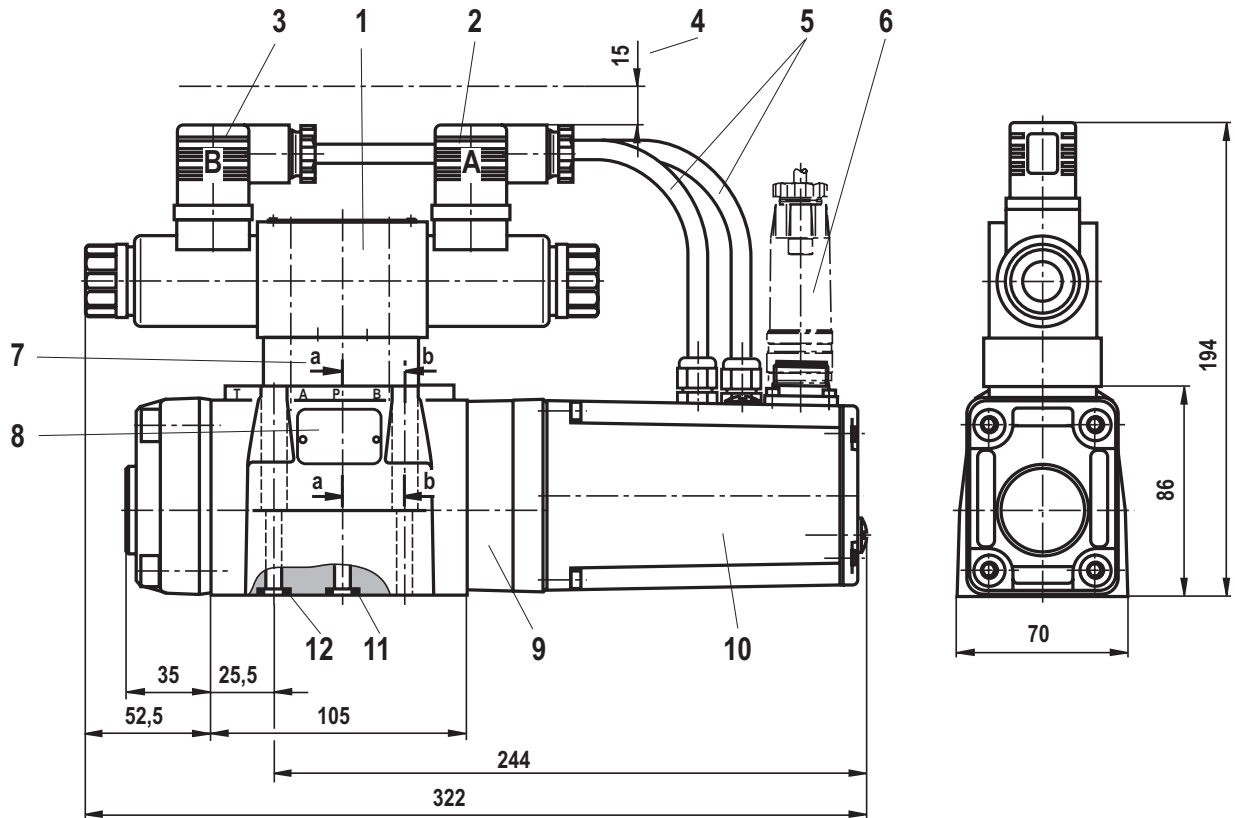




Detailed



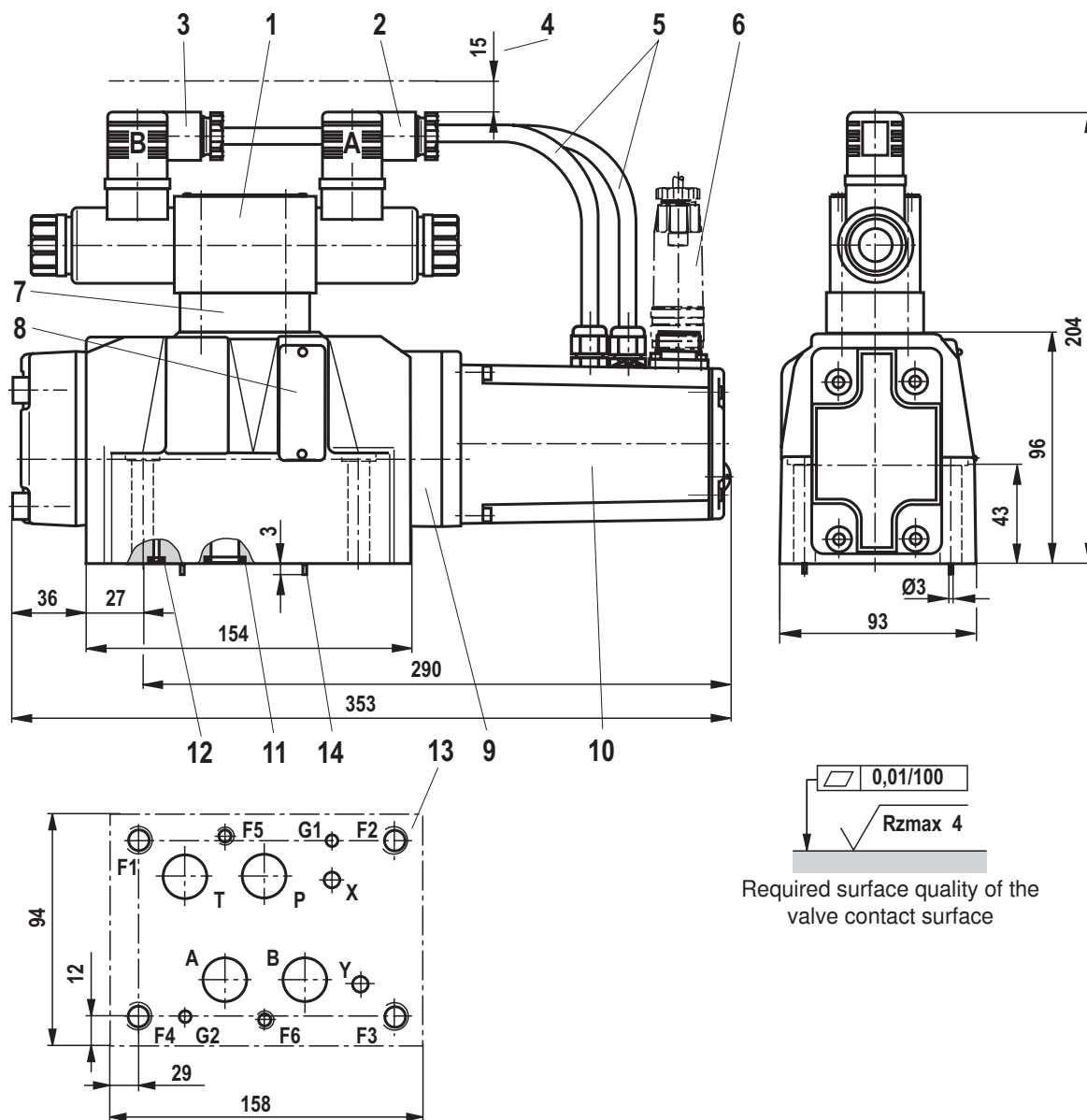
Example:

- 1 Pilot control valve type 4WRAP 6...
- 2 Main valve
- 3 Pressure reducing valve
type ZDR 6 DP0-4X/40YM-W80
- 4 Integrated electronics (OBE)

Dimensions: Size 10 (dimensions in mm)

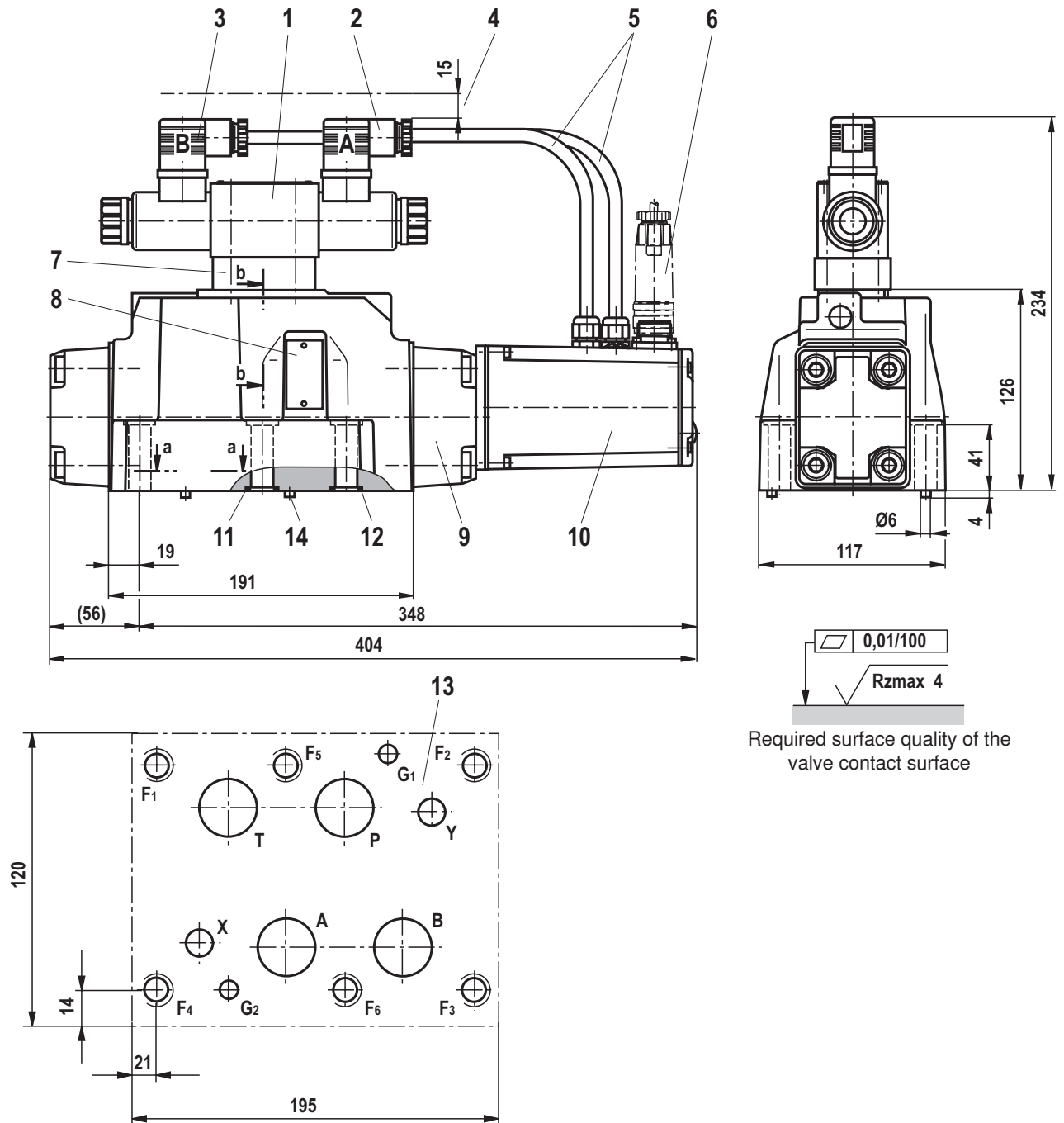
 0,01/100
 Rzmax 4
 Required surface quality of the valve contact surface

- | | |
|--|---|
| 1 Pilot control valve | 9 Main valve |
| 2 Mating connector "A", color gray | 10 Integrated electronics (OBE) |
| 3 Mating connector "B", color black | 11 Identical seal rings for connection A, B, P, T |
| 4 Space required for connection cable and to remove the mating connector | 12 Identical seal rings for connection X, Y |
| 5 Wiring | 13 Processed valve contact surface, porting pattern according to ISO 4401-05-05-0-05 (connection X, Y, as required) |
| 6 Mating connector, separate order, see page 21 | |
| 7 Pressure reducing valve | |
| 8 Name plate | |

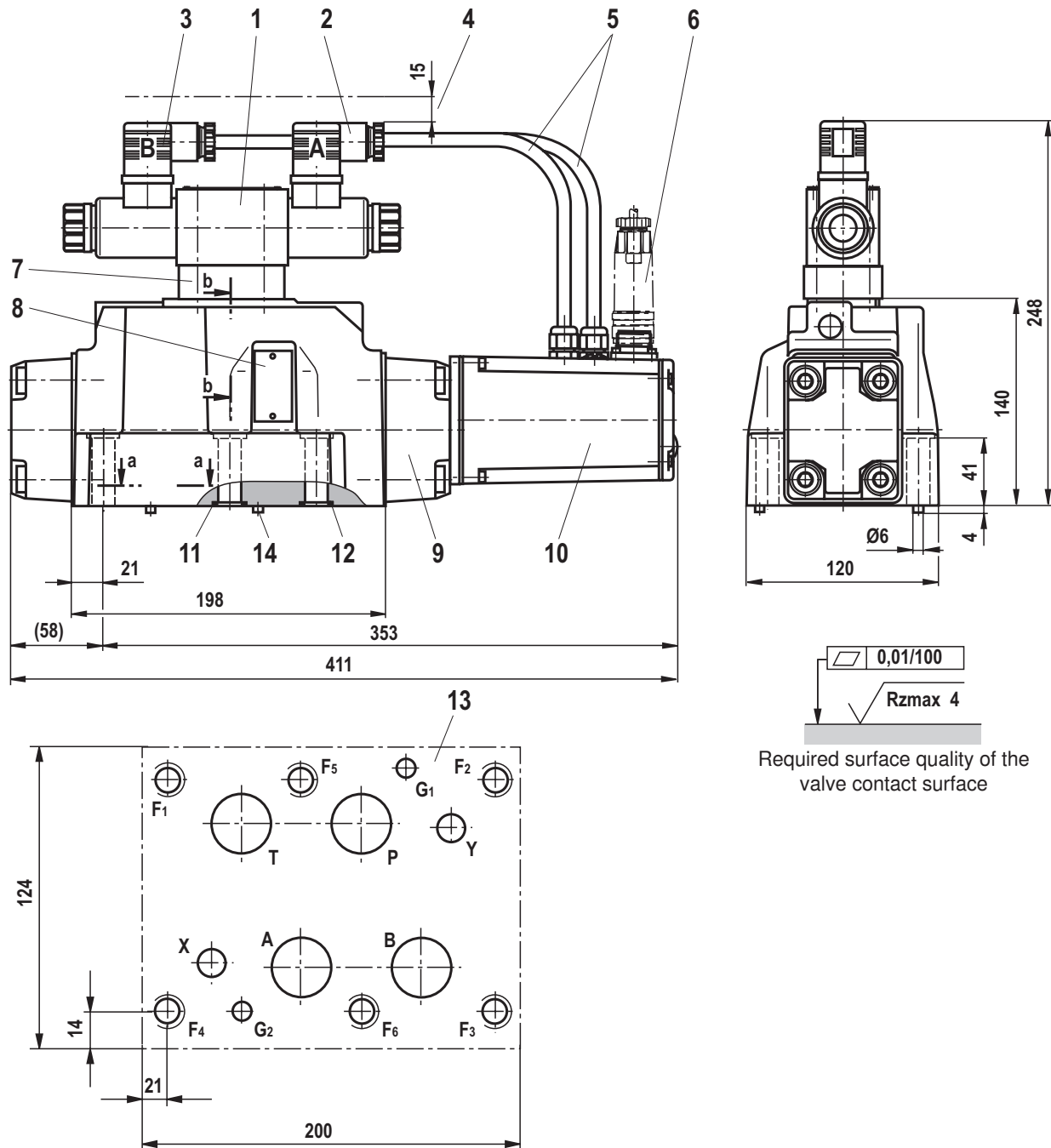
Dimensions: Size 16 (dimensions in mm)

Required surface quality of the
valve contact surface

- | | |
|---|--|
| <p>1 Pilot control valve</p> <p>2 Mating connector "A", color gray</p> <p>3 Mating connector "B", color black</p> <p>4 Space required for connection cable and to remove the mating connector</p> <p>5 Wiring</p> <p>6 Mating connector, separate order, see page 21</p> <p>7 Pressure reducing valve</p> <p>8 Name plate</p> <p>9 Main valve</p> | <p>10 Integrated electronics (OBE)</p> <p>11 Identical seal rings for connection A, B, P, T</p> <p>12 Identical seal rings for connection X, Y</p> <p>13 Processed valve contact surface, porting pattern according to ISO 4401-07-07-0-05 (connection X, Y as required) deviating from the standard:
- Connection A, B, T and P \varnothing 20mm</p> <p>14 Locking pin</p> |
|---|--|

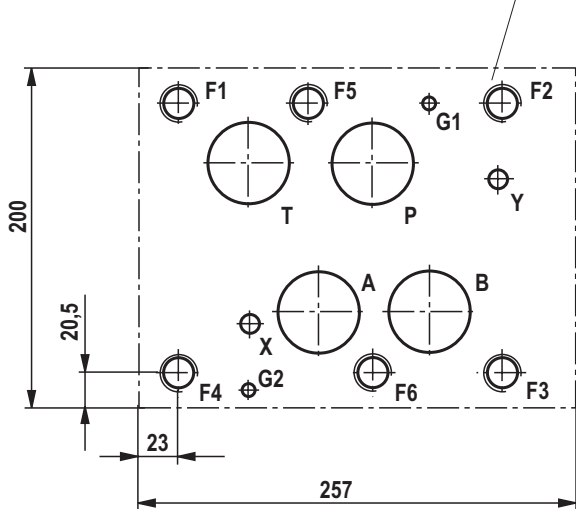
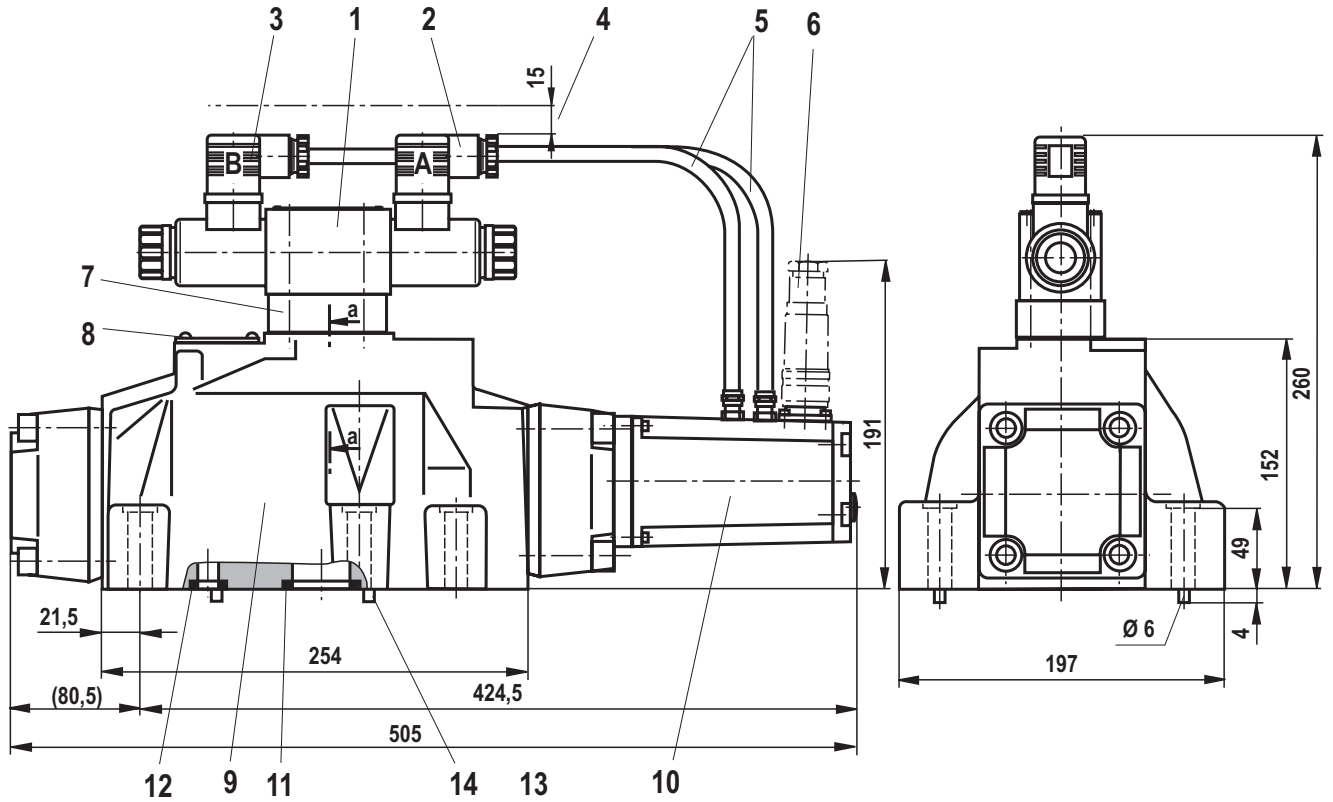
Dimensions: Size 25 (dimensions in mm)


- | | |
|--|--|
| <ul style="list-style-type: none"> 1 Pilot control valve 2 Mating connector "A", color gray 3 Mating connector "B", color black 4 Space required for connection cable and to remove the mating connector 5 Wiring 6 Mating connector, separate order, see page 21 7 Pressure reducing valve 8 Name plate 9 Main valve | <ul style="list-style-type: none"> 10 Integrated electronics (OBE) 11 Identical seal rings for connection A, B, P, T 12 Identical seal rings for connection X, Y 13 Processed valve contact surface, porting pattern according to ISO 4401-08-08-0-05 (connection X, Y, as required) 14 Locking pin |
|--|--|

Dimensions: Size 27 (dimensions in mm)

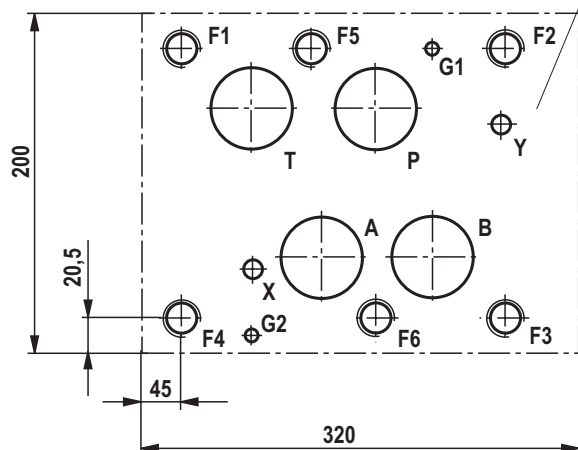
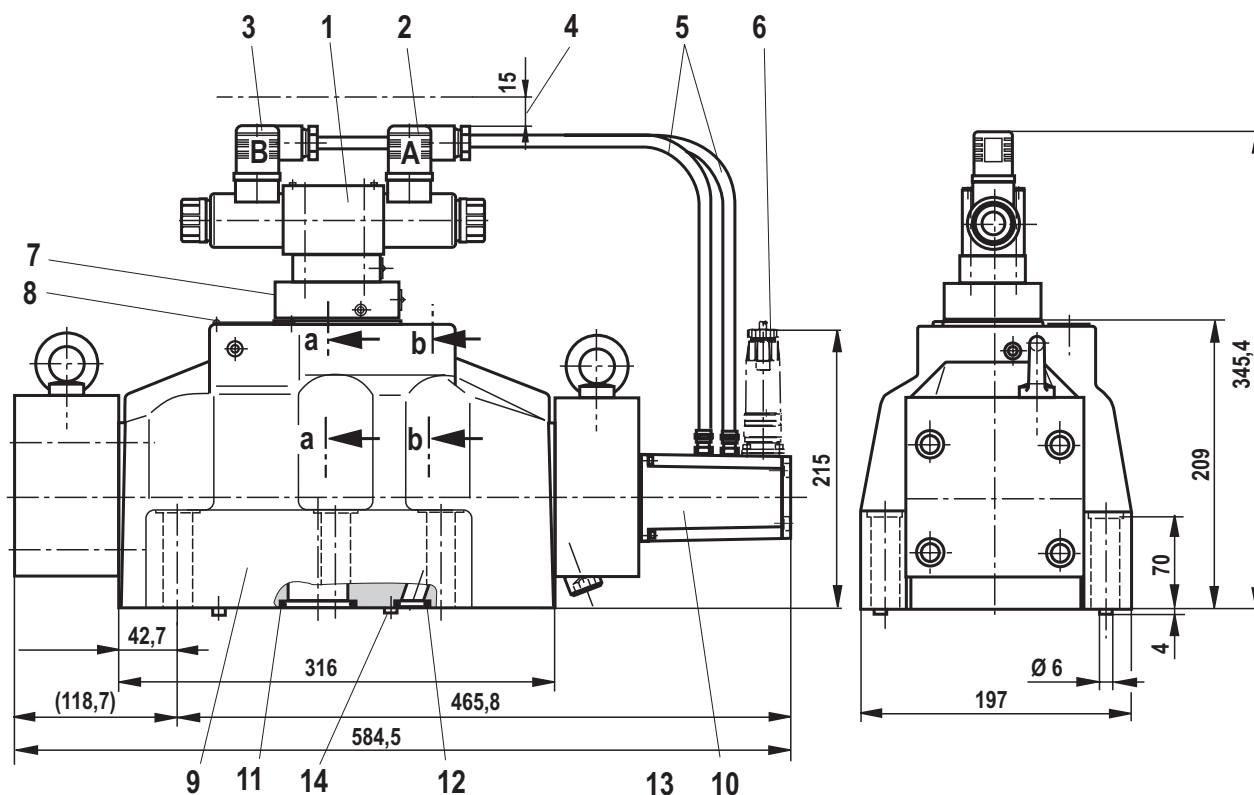
- | | |
|--|---|
| <ul style="list-style-type: none"> 1 Pilot control valve 2 Mating connector "A", color gray 3 Mating connector "B", color black 4 Space required for connection cable and to remove the mating connector 5 Wiring 6 Mating connector, separate order, see page 21 7 Pressure reducing valve 8 Name plate 9 Main valve | <ul style="list-style-type: none"> 10 Integrated electronics (OBE) 11 Identical seal rings for connection A, B, P, T 12 Identical seal rings for connection X, Y 13 Processed valve contact surface, porting pattern according to ISO 4401-08-08-0-05 (connection X, Y as required) deviating from the standard: <ul style="list-style-type: none"> - Connection A, B, T and P \varnothing 32 mm 14 Locking pin |
|--|---|



Dimensions: Size 32 (dimensions in mm)



0,01/100
Rzmax 4
Required surface quality of the valve contact surface

- 1 Pilot control valve
- 2 Mating connector "A", color gray
- 3 Mating connector "B", color black
- 4 Space required for connection cable and to remove the mating connector
- 5 Wiring
- 6 Mating connector, separate order, see page 21
- 7 Pressure reducing valve
- 8 Name plate
- 9 Main valve
- 10 Integrated electronics (OBE)
- 11 Identical seal rings for connection A, B, P, T
- 12 Identical seal rings for connection X, Y
- 13 Processed valve contact surface, porting pattern according to ISO 4401-10-09-0-05 (connection X, Y as required) deviating from the standard:
 - Connection, B, T and P Ø 38 mm
- 14 Locking pin

Dimensions: Size 35 (dimensions in mm)

 0,01/100

 Required surface quality of the valve contact surface

- | | |
|--|---|
| <ul style="list-style-type: none"> 1 Pilot control valve 2 Mating connector "A", color gray 3 Mating connector "B", color black 4 Space required for connection cable and to remove the mating connector 5 Wiring 6 Mating connector, separate order, see page 21 7 Pressure reducing valve 8 Name plate 9 Main valve | <ul style="list-style-type: none"> 10 Integrated electronics (OBE) 11 Identical seal rings for connection A, B, P, T 12 Identical seal rings for connection X, Y 13 Processed valve contact surface, porting pattern according to ISO 4401-10-09-0-05 (connection X, Y as required) deviating from the standard: <ul style="list-style-type: none"> - Connection A, B, T and P \varnothing 50 mm 14 Locating pins |
|--|---|