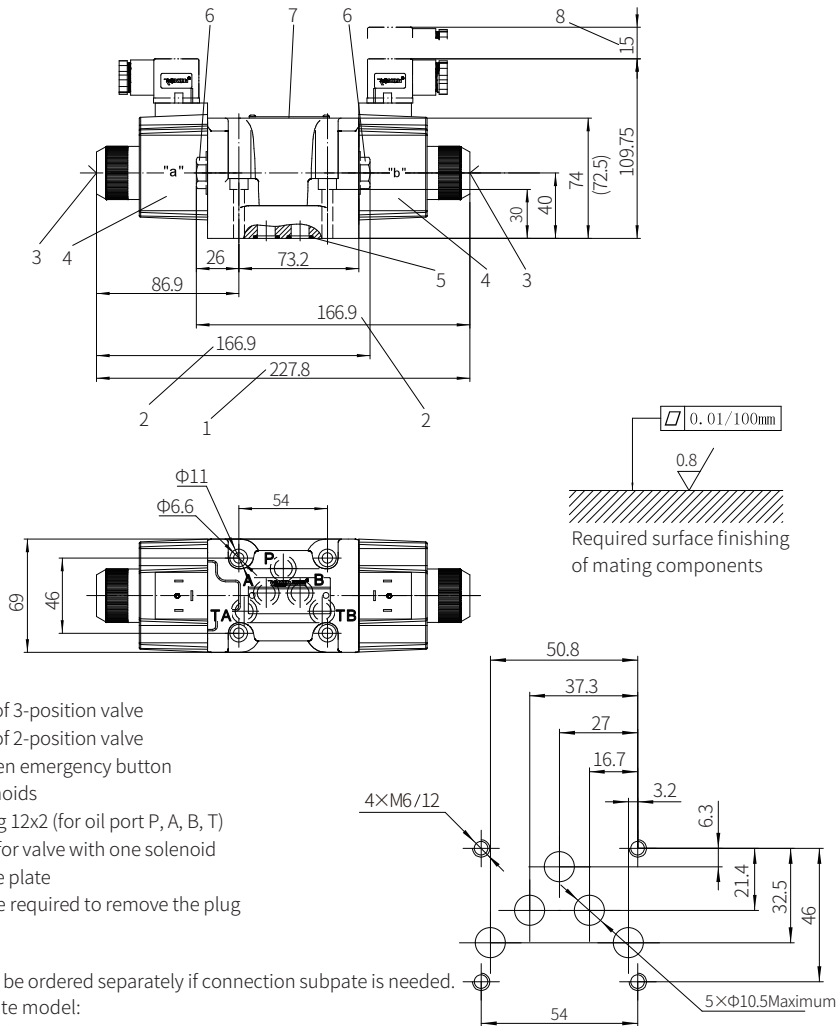


## Component size

Size unit: mm

Valve with AC solenoid



1. Size of 3-position valve
2. Size of 2-position valve
3. Hidden emergency button
4. Solenoids
5. O-ring 12x2 (for oil port P, A, B, T)
6. Plug for valve with one solenoid
7. Name plate
8. Space required to remove the plug

It must be ordered separately if connection subplate is needed.

Subplate model:

G66/01 (G3/8"); G66/02(M18x1.5)

G67/01 (G1/2"); G67/02(M22x1.5)

G534/01 (G3/4"); G534/02(M27x2)

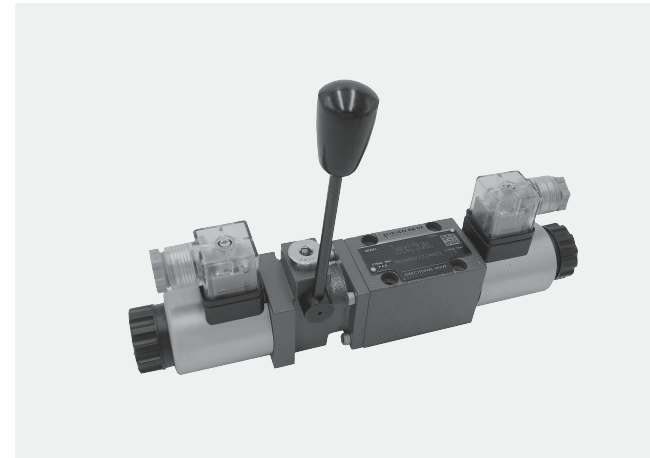
Valve fixing screw

M6x40-10.9 grade GB/T70.1-2000

Tightening torque  $M_A=13.7\text{Nm}$

## Solenoid Operated Directional Valve with Emergency Handle

Model: 4WEMM6(10).../...



- ◆ Size 6 to 10
- ◆ Maximum working pressure 350 bar
- ◆ Maximum working flow rate 120 L/min

## Contents

Function description, sectional drawing	02
Models and specifications	02
Technical parameters	03
Functional symbols	03
Component size	04-07

## Features

- The opening, closing and direction of the flow controlled by the solenoid and manual
- Wet-pin solenoid with detachable coil
- The solenoid can rotate 90°
- Subplate mounting

### Function description, sectional drawing

The WEMM directional valve is a directional spool valve operated by solenoid and control handle. It controls the opening, closing and flow direction of liquid flow.

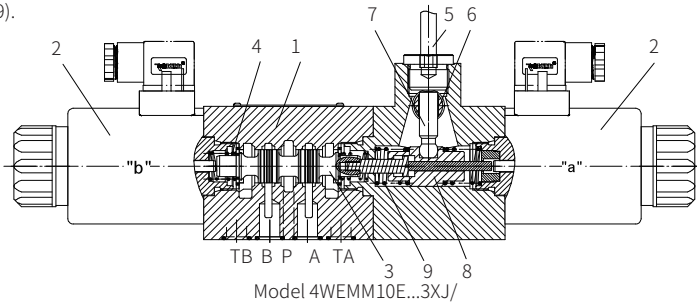
It is mainly composed of valve body (1), one or two solenoids (2), valve spool (3), reset spring (4) and manual control device.

Solenoid operation:

When the solenoid is de-energized, the valve spool (3) is held in the middle or original position by means of the reset spring. The force of the solenoid (2) acts on the valve spool (3) to push it from the stationary position to the terminal position. In this way, the pressure oil flows from P to A and B to T, or from P to B and A to T. After the solenoid (2) is de-energized, the reset spring (4) pushes the valve spool (3) back to its original position.

Auxiliary handle operation:

When the solenoid is not energized, the valve spool (3) can be moved by operating the auxiliary handle. Turn the auxiliary handle (5) to the right so that the operating force acts on the valve spool (3) through the spindle (6), the ball valve core (7) and the guide sleeve (8) to move it to the left. When the auxiliary handle (5) returns to the zero position, the valve spool (3) returns to the original position under the action of the reset spring (9).



Model 4WEMM10E...3XJ/

### Models and specifications

WEMM	J	C	*
3 way =3 4 way =4			
with auxiliary handle solenoid spool valve =WEMM			
size 6 =6 size 10 =10			
symbols			
size 6 design serial number =6X size 10 design serial number =3X			
Rekith =J			
wet-pin solenoid with detachable coil =C			
12V DC =G12 24V DC =G24 28V DC =G28 220V AC, 50HZ or 60HZ =W220 solenoid with rectifier for AC voltage 220V =W220R			
No code= sealing material V= NBR seals FKM seals (consult for other seals)			
No code= without plug-in throttle B08= throttle hole diameter 0.8mm B10= throttle hole diameter 1.0mm B12= throttle hole diameter 1.2mm			
Z4= standard plug Z5L= large right angle plug with light FS2= deutsch waterproof plug			
No code= no manual emergency operation N9= with hidden manual emergency operation			

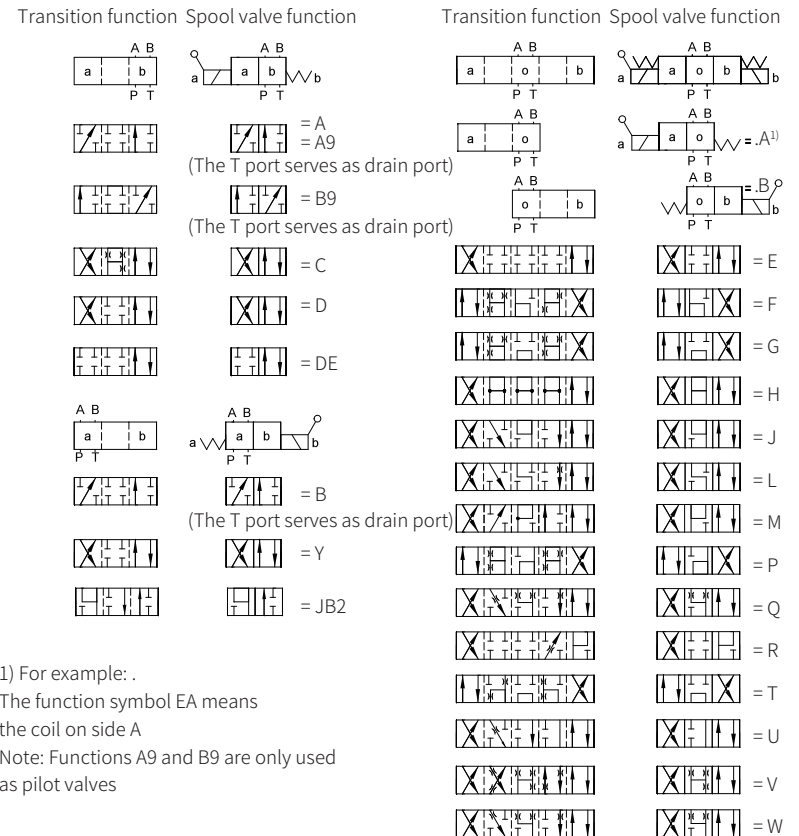
### Technical parameters

Working pressure	Mpa	port A, B, P to 35
T port pressure	Mpa	to 16 (AC), to 21 (DC)
Medium		Mineral hydraulic oil or phosphate ester wave pressure oil
Viscosity range	mm <sup>2</sup> /s	2.5 to 500
Temperature range	°C	-30 to +80

Note: For symbols A and B, port T must be used as drain port if the working pressure exceeds the allowable pressure.

For the characteristic curve and operating limit, please refer to the catalogue of WE solenoid directional valve.

### Functional symbols



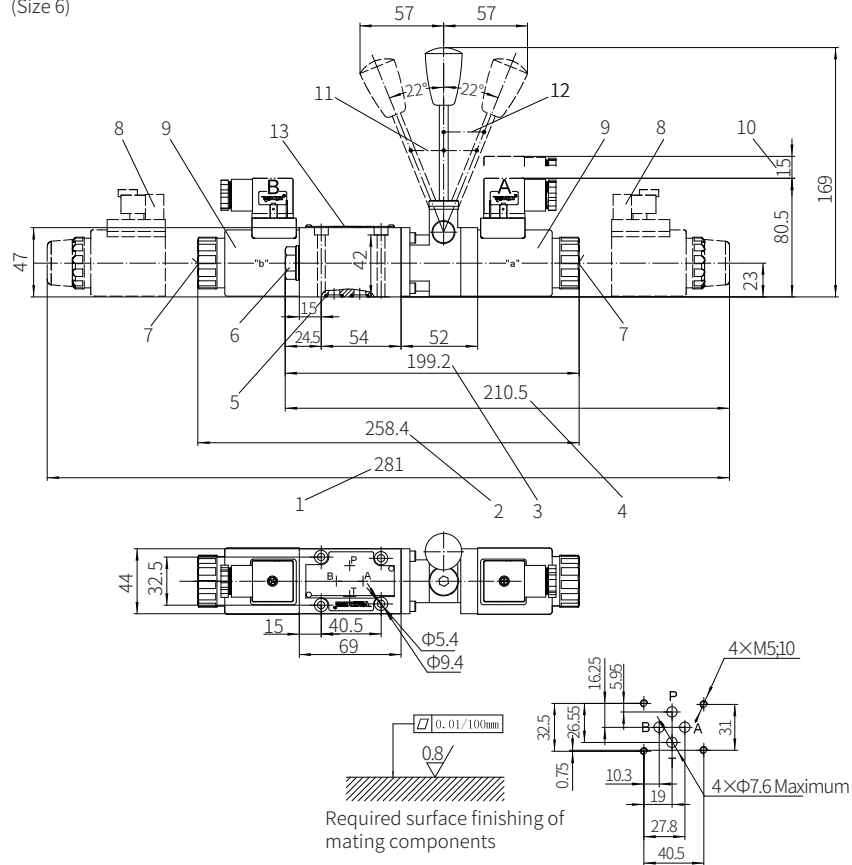
1) For example: .

The function symbol EA means the coil on side A

Note: Functions A9 and B9 are only used as pilot valves

## Component size

Size unit: mm

 Valve with DC or AC rectified solenoid  
 (Size 6)


- 1 Size of 3-position valve (waterproof type)
- 2 Size of 3-position valve
- 3 Size of 2-position valve
- 4 Size of 2-position valve (waterproof type)
- 5 O-ring 9.25x1.78 (for oil ports P, A, B, T)
- 6 Plug for 2-position valve
- 7 Hidden emergency button
- 8 Deutsch plug
- 9 Solenoids
- 10 Space required to remove plug
- 11 Switching position for 3-position valve
- 12 Switching position for 2-position valve

Valve fixing screw  
 M5x50-10.9 grade GB/T70.1-2000  
 Tightening torque  $M_A=7.8\text{Nm}$

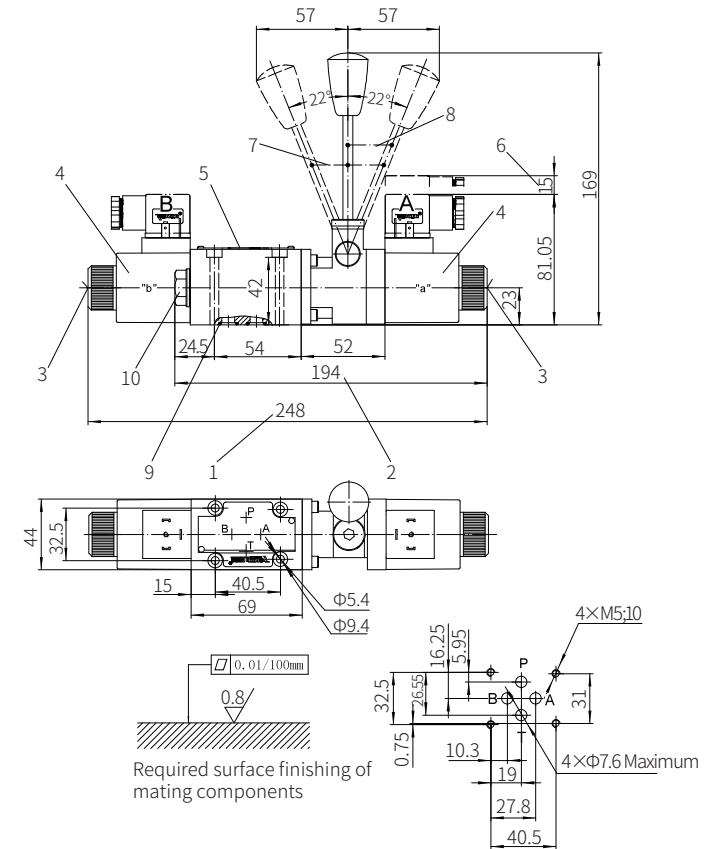
It must be ordered separately  
 if connection subplate is needed.

Subplate model:

G341/01 (G1/4"); G341/02 (M14x1.5)  
 G342/01 (G3/8"); G342/02 (M18x1.5)  
 G502/01 (G1/2"); G502/02 (M22x1.5)

## Component size

Size unit: mm

 Valve with AC solenoid  
 (Size 6)


- 1 Size of 3-position valve
- 2 Size of 2-position valve
- 3 Hidden emergency button
- 4 Solenoids
- 5 Name plate
- 6 Space required to remove plug
- 7 Switching position for 3-position valve
- 8 Switching position for 2-position valve
- 9 O-ring 9.25x1.78 (for oil ports P, A, B, T)
- 10 Plug for 2-position valve

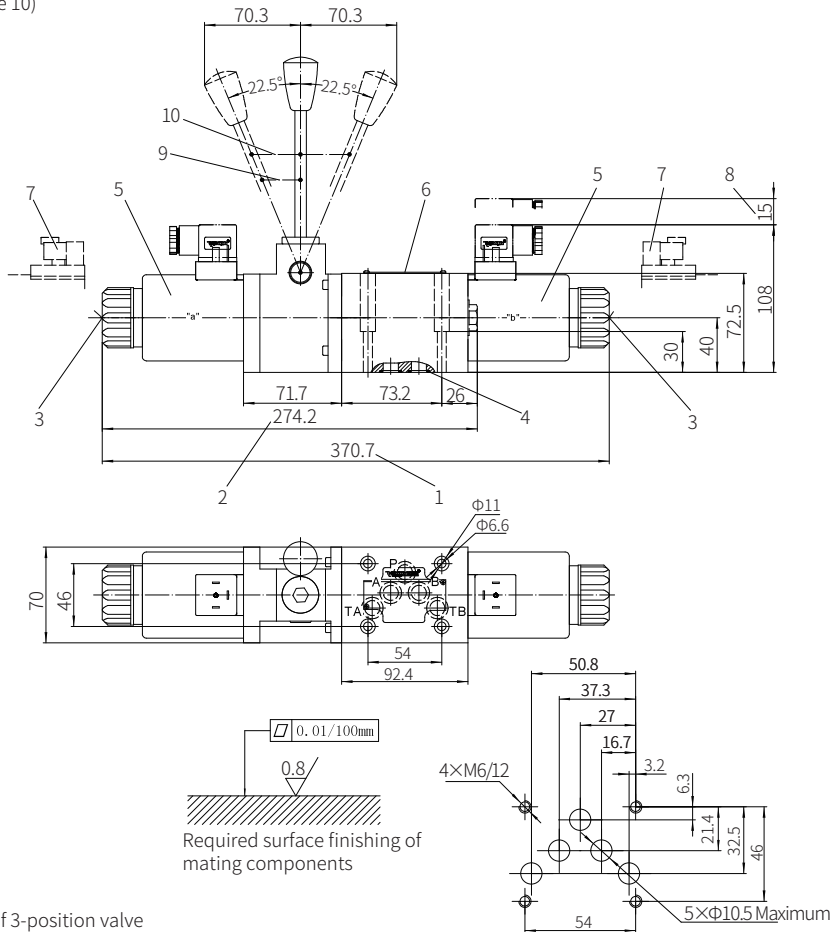
Valve fixing screw  
 M5x50-10.9 grade GB/T70.1-2000  
 Tightening torque  $M_A=7.8\text{Nm}$

It must be ordered separately  
 if connection subplate is needed.  
 Subplate model:

G341/01 (G1/4"); G341/02 (M14x1.5)  
 G342/01 (G3/8"); G342/02 (M18x1.5)  
 G502/01 (G1/2"); G502/02 (M22x1.5)

## Component size

Size unit: mm

Valve with DC or AC rectified solenoid  
(Size 10)

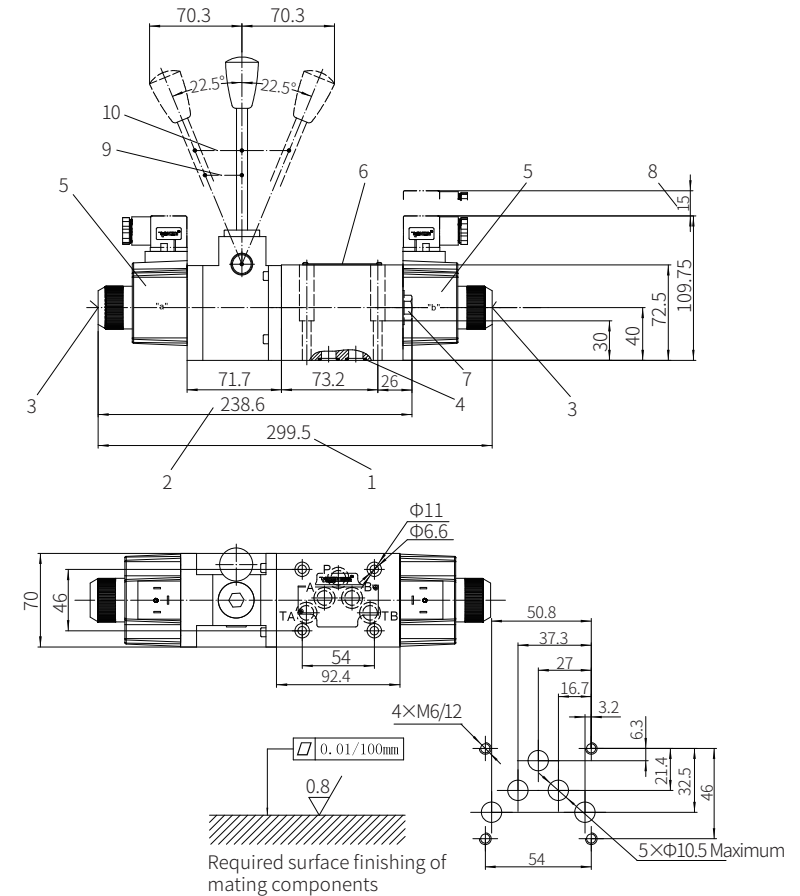
- 1 Size of 3-position valve
- 2 Size of 2-position valve
- 3 Hidden emergency button
- 4 O-ring 12x2 (for oil ports P, A, B, T)
- 5 Solenoids
- 6 Name plate
- 7 Deutsch plug
- 8 Space required to remove plug
- 9 Switching position for 2-position valve
- 10 Switching position for 3-position valve

Valve fixing screw  
M6x40-10.9 grade GB/T70.1-2000  
Tightening torque  $M_A=13.7\text{Nm}$

It must be ordered separately  
if connection subplate is needed.  
Subplate model:  
G66/01 (G3/8"); G66/02 (M18x1.5)  
G67/01 (G1/2"); G67/02 (M22x1.5)  
G534/01 (G3/4"); G534/02 (M27x2)

## Component size

Size unit: mm

Valve with AC solenoid  
(Size 10)

- 1 Size of 3-position valve
- 2 Size of 2-position valve
- 3 Hidden emergency button
- 4 O-ring 12x2 (for oil ports P, A, B, T)
- 5 Solenoids
- 6 Name plate
- 7 Deutsch plug
- 8 Space required to remove plug
- 9 Switching position for 2-position valve
- 10 Switching position for 3-position valve

Valve fixing screw  
M6x40-10.9 grade GB/T70.1-2000  
Tightening torque  $M_A=13.7\text{Nm}$

It must be ordered separately  
if connection subplate is needed.  
Subplate model:  
G66/01 (G3/8"); G66/02 (M18x1.5)  
G67/01 (G1/2"); G67/02 (M22x1.5)  
G534/01 (G3/4"); G534/02 (M27x2)