

Knižnice programu FluidSIM (obsah aj podrobne) - HYDRAULIKA :)

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Hydraulic

[Supply Elements](#)

Pump unit (simplified)

Fixed displacement pump

Variable displacement pump

Tank

Pump unit

Proportional amplifier, 1-channel

Proportional adjustable pump

Reservoir

Reservoir

Diaphragm accumulator with shutoff block

Hose with quick-action coupling

Filter

Cooler

Heater

[Actuators](#)

Distance rule

Single acting cylinder

Double acting cylinder

Double acting cylinder with shock adsorber at stroke end

Double acting cylinder with in and out piston rod and shock adsorber at stroke end

Hydraulic motor

Semi-rotary actuator

Valves

[Configurable directional valves](#)

2/h Way Valve

3/h Way Valve
4/h Way Valve
5/h Way Valve
6/h-way directional valve
8/h-way directional valve

Frequently Used Way Valves

[Mechanically Operated](#)

4/3-way hand-lever valve with shutoff position
3/2-way hand-lever valve
4/2-way hand-lever valve
4/2-way hand-lever valve
4/3-way hand-lever valve with shutoff position
4/3-way hand-lever valve with bypass position
4/3-way hand-lever valve with bypass position
4/3-way hand-lever valve with floating position
4/3-way hand-lever valve with floating position
2/2-way stem-Actuated valve
2/2-way stem-Actuated valve

[Solenoid Operated](#)

Valve solenoid
4/2-way solenoid valve
4/2-way solenoid valve
4/3-way solenoid valve with shutoff position
4/3-way solenoid valve with shutoff position
4/3-way solenoid valve with bypass position
4/3-way solenoid valve with bypass position
4/3-way solenoid valve with floating position
4/3-way solenoid valve with floating position

[Shutoff Valves and Flow Control Valves](#)

Nozzle
Throttle valve
Orifice
Variable orifice
Shutoff valve
One-way flow control valve
Check valve
Check valve, spring loaded
Check valve with pilot control
Spring loaded pilot operated check valve
Pilot to close check valve
Pilot to close spring loaded check valve
2-way flow control valve
3-way flow control valve
Shuttle valve
Two-pressure valve
Flow divider valve

[Pressure Control Valves](#)

Pressure relief valve
Pressure relief valve with pilot control
Pressure relief valve with pilot control
Shutoff/counteracting valve
Pressure reducing valve
Variable pressure reducing valve
3-way pressure reducing valve
Closing pressure compensator
Variable closing pressure compensator
Opening pressure compensator

Variable opening pressure compensator

Opening cartridge valve

Opening cartridge valve

Closing cartridge valve

[Proportional valves](#)

Proportional amplifier, 2-channel

4/3-way proportional valve

Proportional amplifier, 1-channel

Proportional throttle valve

Proportional pressure relief valve

Pilot-operated proportional pressure relief valve

Pilot-operated proportional pressure relief reducing valve

Proportional valve solenoid, position controlled

4/3-way regulating valve

[Measuring instruments and Sensors](#)

Differential pressure gauge

Manometer

Pressure indicator

Flow meter

Flow meter

Analog flow meter

Pressure sensor

Analog pressure sensor

Flow meter

Electrical controls

[Actuators](#)

DC Motor

[Power Supply](#)

Electrical connection 0V

Electrical connection 24V

Function generator

Setpoint value card

[Measuring instruments and Sensors](#)

Pressure sensor

Analog pressure sensor

Analog flow meter

Ampere meter

Voltmeter

Displacement encoder

Indicator light

Buzzer

[Relays](#)

Relay

Relay with switch-on delay

Relay with switch-off delay

Relay counter

Valve solenoid

Proportional amplifier, 1-channel

Proportional amplifier, 2-channel

Proportional valve solenoid, position controlled

Starting current limiter

Switches

[Manually Operated](#)

Pushbutton (make)

Detent Switch (make)

Pushbutton (break)

Detent Switch (break)

Pushbutton (changeover)
Detent Switch (changeover)

[General Switches](#)

Make switch
Break switch
Changeover switch

[Proximity Switches](#)

Capacitive proximity switch
Magnetic proximity switch
Inductive proximity switch
Optical proximity switch

[Controller](#)

Comparator
PID controller
Status controller

[Ladder Symbols](#)

Electrical connection 0V
Electrical connection 24V
Pushbutton (make, Ladder)
Pushbutton (break, Ladder)
Pushbutton (changeover, Ladder)
Make switch (Ladder)
Brake switch (Ladder)
Valve solenoid
Relay (Ladder)
Relay with switch-off delay (Ladder)
Relay with switch-on delay (Ladder)
Indicator light

[Digital Technique](#)

Logic module
Logic module
Lo level
Hi level
Input
Output
Buffer
AND
OR
NOT
AND with edge triggering
NAND
NAND with edge triggering
NOR
XOR
Latching relay
Symetric clock generator
Asynchronous pulse generator
Pulse relay
On delay
Retentive on delay
Off delay
On/off delay
Wiping Relay – Pulse Output
Edge-triggered wiping relay
Up and down counter
Frequency trigger
Timer switch

[EasyPort/OPC/DDE](#)

- FluidSIM Input Port
- FluidSIM Output Port

[GRAFCE](#)

- Step
- Transition
- Action
- Synchronization
- Partial GRAFCET
- GRAFCE I/O

[Miscellaneous](#)

- State Diagram
- Functional diagram
- Terminal assignment diagram
- Parts List
- Text
- Bitmat
- Circle
- Ellipse
- Square
- Rectangle

[Knižnice programu FluidSIM \(obsah aj podrobne\) - PNEUMATIKA](#)