SCHMIDT® HydroPneumaticPress
Control unit versions with force/stroke monitoring

Press-specific installation material

Optional
– Ram drift lock to secure ram in home position when air supply has been removed.
– Force output preselector approx. 3...6 bar

Single-channel control
(Integration of the press in an automatic installation)

Electrical power stroke connection incl. force output preselector

Single-channel pneumatic control block
Incl. throttle for adjusting the speed in working stroke

8 inputs / 4 outputs:
Terminal box for wiring the valve and the press sensors

External control

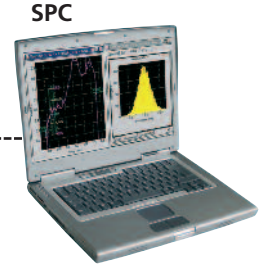
Interface to external control
a) CAN bus coupler with input/output boards
b) CAN profibus gateway

21-pole connection

CAN bus

USB

ControlTool SPC

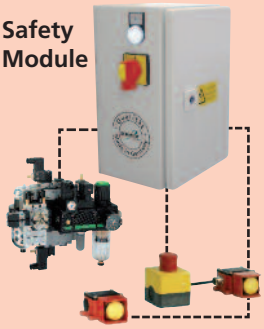


Signals of the force/stroke sensors

Two-channel control
(With manual loading of the machine)

EC-type approved

Safety Module



SCHMIDT® SafetyModule
Safety circuit with terminals to connect the 2-channel pneumatic block and the release elements. The release of the press, 2-hand-release or automatic mode (light curtain or pneumatic guard door), must be configured and parameterized accordingly.
The communication with the control is via CAN-Bus.

2-channel pneumatic block
inclusive 2 flow controls for the speed adjustment in the working and return stroke.

Electrical power stroke connection incl. force output preselector

Additional valves: Option 1
1/8"– 5/2 additional valves mounted to the pneumatic control block

– 2-hand-release
– Light curtain

Additional valves: Option 2
CAN bus valve terminal

External control

CAN bus coupler
With input and output termination strip if more than 8 I/4 O are required
CAN profibus gateway
As interface to the external control

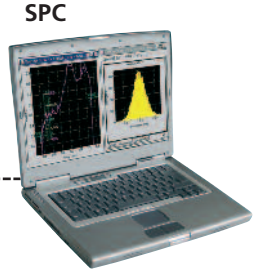
CAN bus

8 inputs / 4 outputs
Wiring options:
– Terminal box 505982
– 8-fold sensor box 504061

21-pole connection

USB

ControlTool SPC



Signals of the force/stroke sensors