PNEUMATIC VALVES

SERIES 79-81-84-85-87

Steelspool Valves

• SOLENOID VALVES •

• MECHANICAL VALVES •

• PNEUMATIC VALVES •

• COILS & PLUG-IN SOCKETS •

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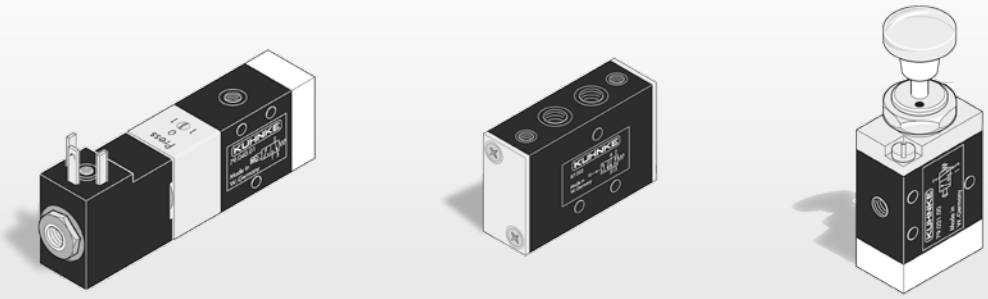
STEELSPOOL VALVES

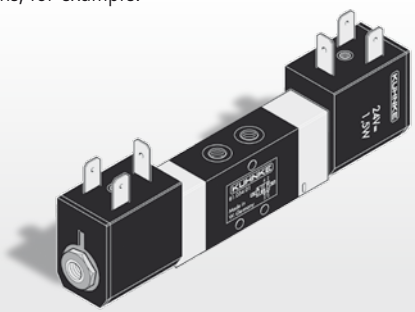
General Information

The steelspool range of valves includes electrical, mechanical and pneumatic version for single or modular use.



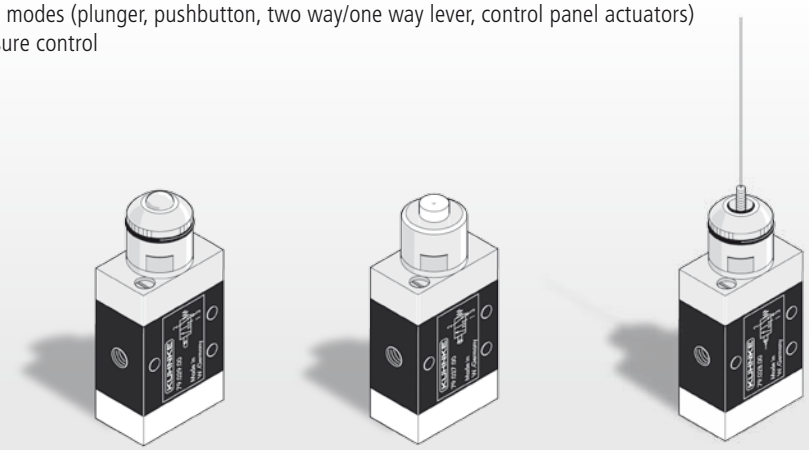
These valves can be supplied in a wide range of versions, for example:

- different plug options
- inline or sub-base mounting
- with/without manual override
- also available as a low watt version
- nominal orifice 2 mm or 4 mm

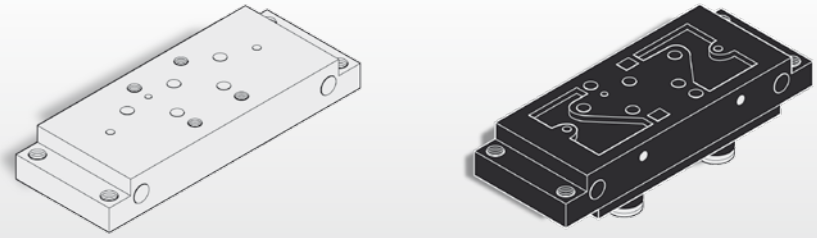


Other features:

- different actuating modes (plunger, pushbutton, two way/one way lever, control panel actuators)
- with/without pressure control



Mounting flange available.

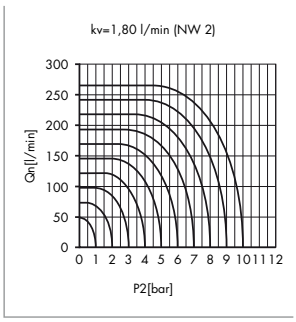


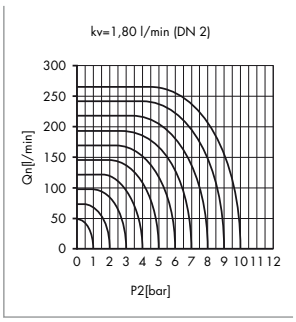
SOLENOID VALVES

General Information

Series	*Section*	*Function*	*Pressure range*	*Pressure connection (nominal orifice)*	*Ambient temperature range*	*Protection classification*
Series 79	A	3/2-way	2 - 8 bar	M5 (2 mm)	-10 °C +50 °C	IP 65 DIN 40050 (with plug-in socket and occupied pneumatic connections)
Series 85	B	3/2-way	2 - 8 bar	G 1/8 (4 mm)	-10 °C +50 °C	
Series 81	C	5/2-way	2 - 8 bar	M5 (2 mm)	-10 °C +50 °C	
Series 84	D	5/2-way	2 - 8 bar	subplates only (2 mm)	-10 °C +50 °C	
Series 87	E	5/2-way	2 - 8 bar	G 1/8 (4 mm)	-10 °C +50 °C	

Housing material:	Aluminium alloy
Valve end cap material:	Zinc alloy or Makrolon®
Spool and liner material:	Steel, hardened, corrosion resistant
Duty cycle:	Continuous 100%
Earthing contact:	Part of the standard device
Electrical version:	According to VDE 0580/VDE 0110 insulation group C
Electrical connections:	Plug-in socket/flying lead, flat plug receptacles 2 x 0.8 DIN 43650 or 6.3 x 0.8 DIN 46247
Mounting:	Any position
Lubricant:	Shell Tellus C10 or equivalent
Operating medium:	5 micron filtered, lubricated (or not) compressed air; also suitable for other media conforming to ISO-VG 10



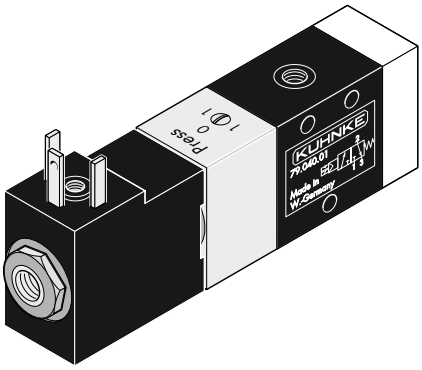


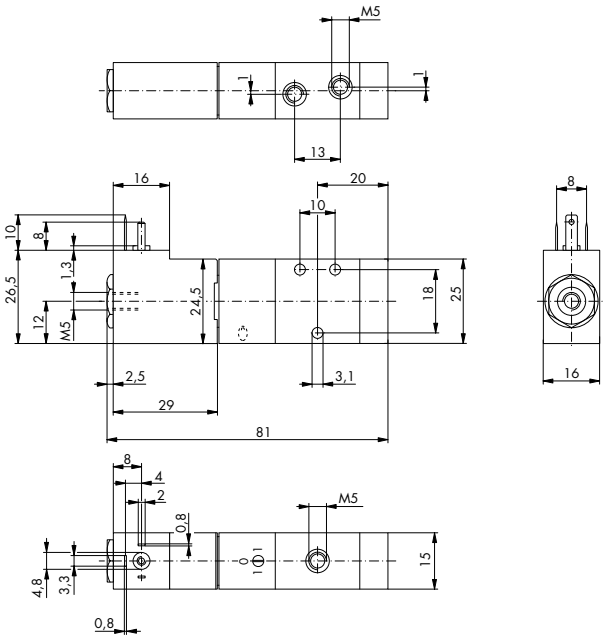
3/2-way Solenoid Steelspool Valves - M5 (D_{nom} 2 mm)

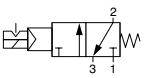
Actuation: Solenoid, manual override

Return: Spring

Coil Type: Type 64





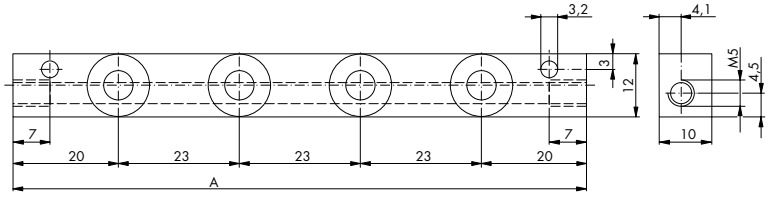
Code	Voltage	Power	Symbol
79.040.01.01	12V DC	1.8 W	
79.040.01.02	24V DC		
79.040.02.12	24V AC	5.5 VA	
79.040.02.14	110V AC		
79.040.02.15	230V AC		

Accessories for Solenoid Valves - Common Input Manifolds

The kit includes:

banjo screws (71.750.026.01.00)

washers (50.001)



Code	No. of valves	A
44.404.02	2	63
44.404.03	3	86
44.404.04	4	109
44.404.06	6	155
44.404.08	8	201

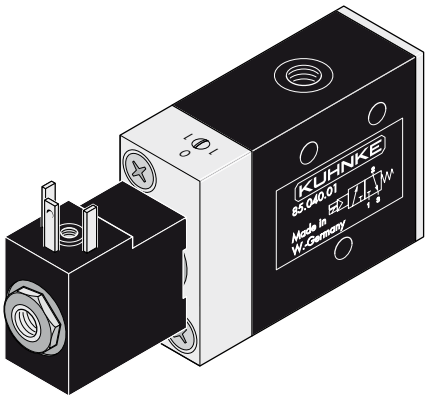
Note: Available until end of stock.

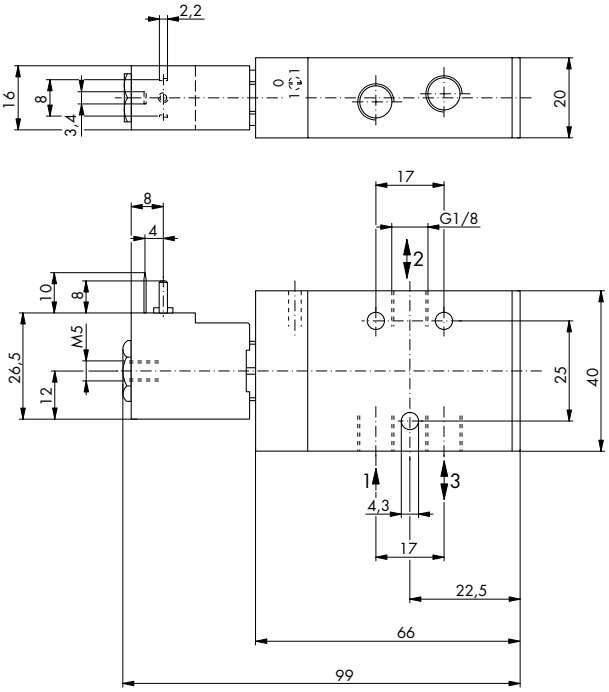
3/2-way Solenoid Steelspool Valves - G 1/8 (D_{nom} 4 mm)

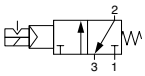
Actuation: Solenoid, manual override

Return: Spring

Coil Type: Type 64





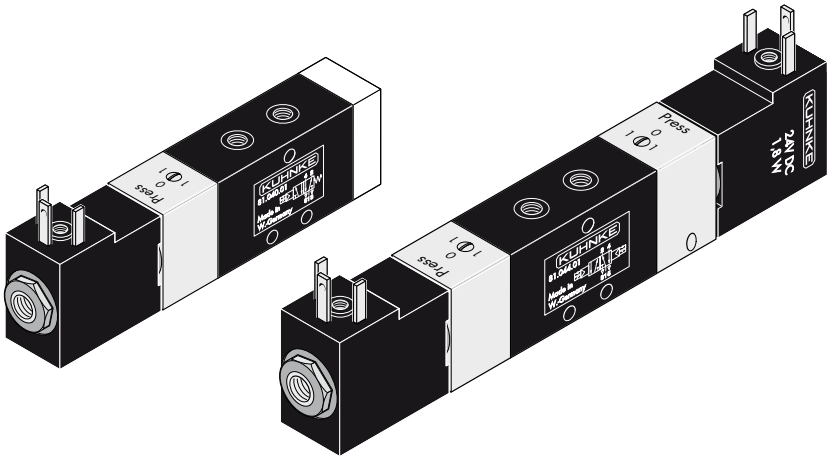
Code	Voltage	Power	Symbol
85.040.01.01	12V DC	1.8 W	
85.040.01.02	24V DC		
85.040.02.12	24V AC	5.5 VA	
85.040.02.14	110V AC		
85.040.02.15	230V AC		

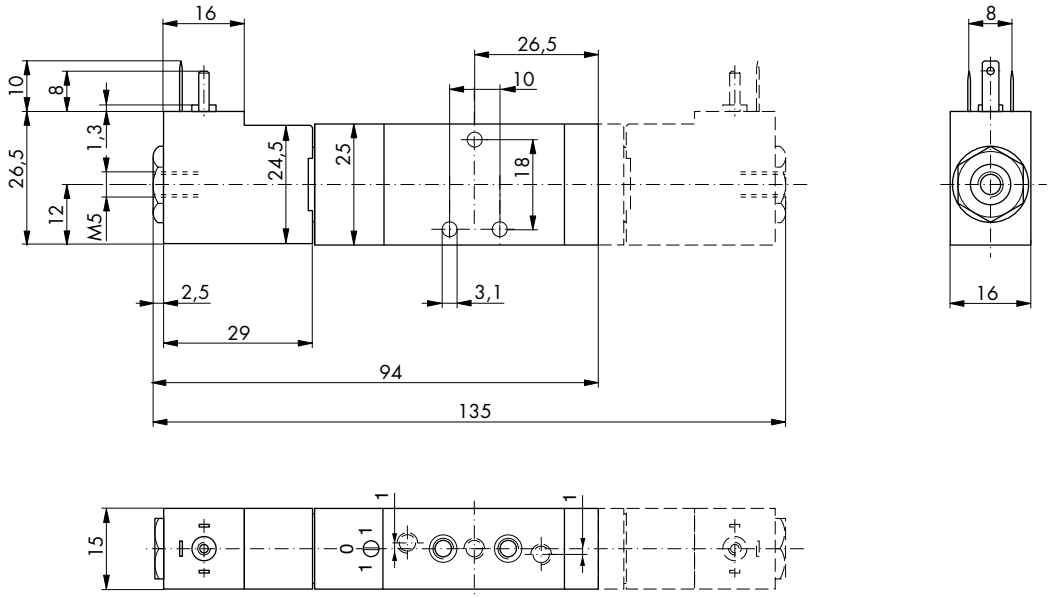
5/2-way Solenoid Steelspool Valves - M5 (D_{nom} 2 mm)

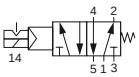
Actuation: Solenoid, manual override

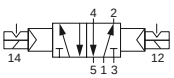
Return: Spring

Coil Type: Type 64





Code	Voltage	Power	Symbol
81.040.01.01	12V DC	1.8 W	
81.040.01.02	24V DC		
81.040.02.12	24V AC	5.5 VA	
81.040.02.14	110V AC		
81.040.02.15	230V AC		

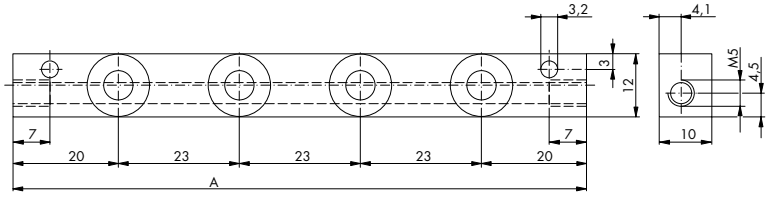
Code	Voltage	Power	Symbol
81.044.01.01	12V DC	1.8 W	
81.044.01.02	24V DC		
81.044.02.12	24V AC	5.5 VA	
81.044.02.14	110V AC		
81.044.02.15	230V AC		

Accessories for Solenoid Valves - Common Input Manifolds

The kit includes:

banjo screws (71.750.026.01.00)

washers (50.001)



Code	No. of valves	A
44.404.02	2	63
44.404.03	3	86
44.404.04	4	109
44.404.06	6	155
44.404.08	8	201

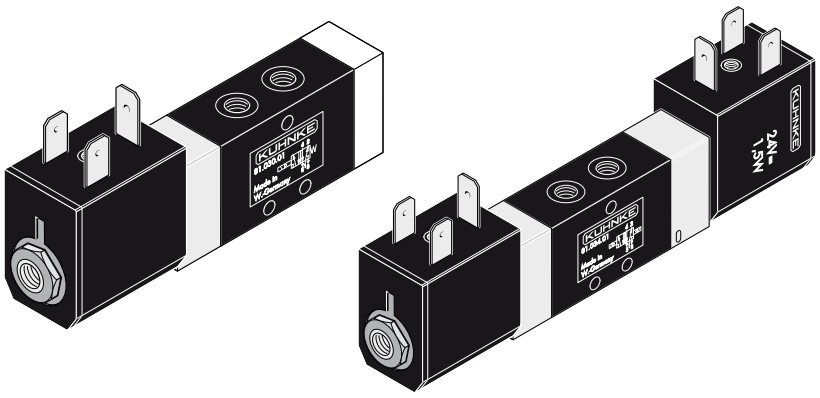
Note: Available until end of stock.

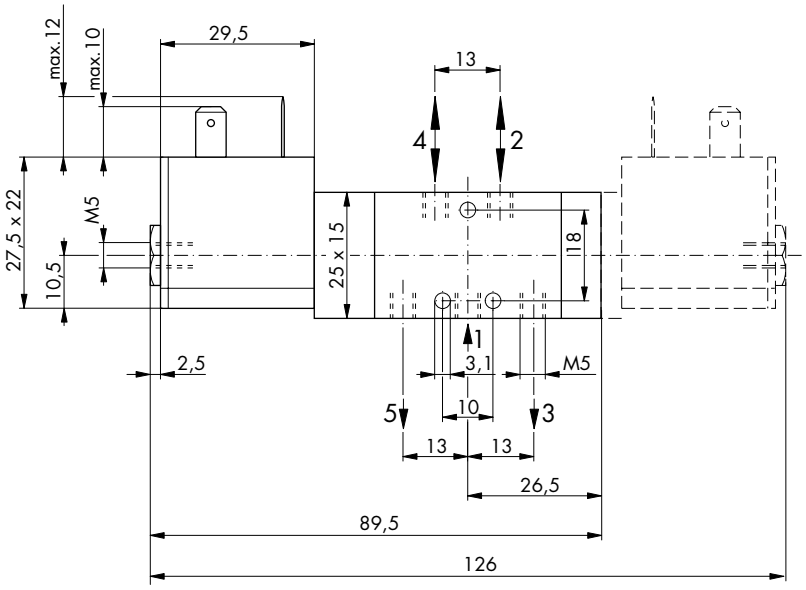
5/2-way Solenoid Steelspool Valves - M5 (D_{nom} 2 mm)

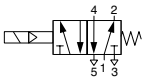
Actuation: Solenoid

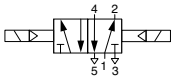
Return: Spring

Coil Type: Type 65





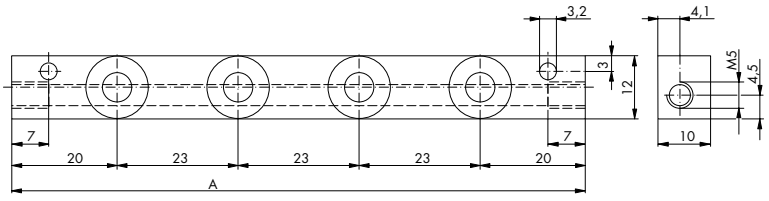
Code	Voltage	Power	Symbol
81.030.01.01	12V DC	1.5 W	
81.030.01.02	24V DC		
81.030.02.12	24V AC	5 VA	
81.030.02.14	110V AC		
81.030.02.15	230V AC		

Code	Voltage	Power	Symbol
81.034.01.01	12V DC	1.5 W	
81.034.01.02	24V DC		
81.034.02.12	24V AC	5 VA	
81.034.02.14	110V AC		
81.034.02.15	230V AC		

Accessories for Solenoid Valves - Common Input Manifolds

The kit includes:

banjo screws (71.750.026.01.00)
washers (50.001)



Code	No. of valves	A
44.404.02	2	63
44.404.03	3	86
44.404.04	4	109
44.404.06	6	155
44.404.08	8	201

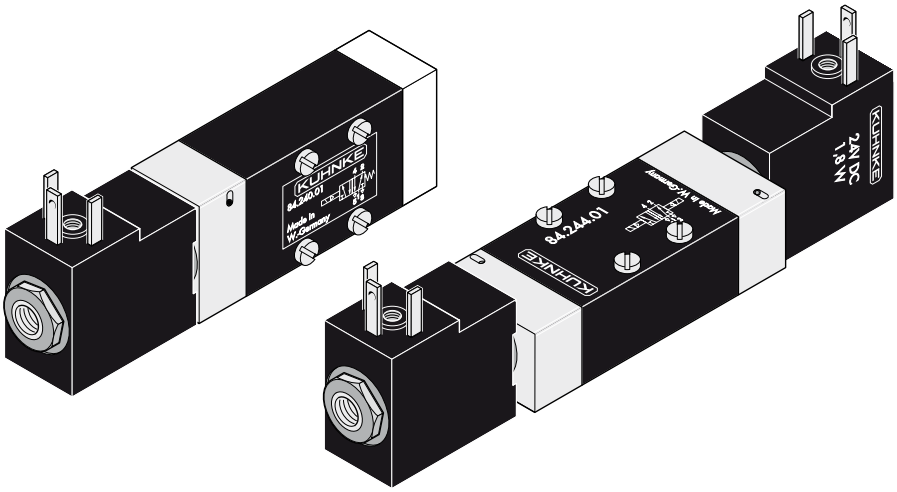
Note: Available until end of stock.

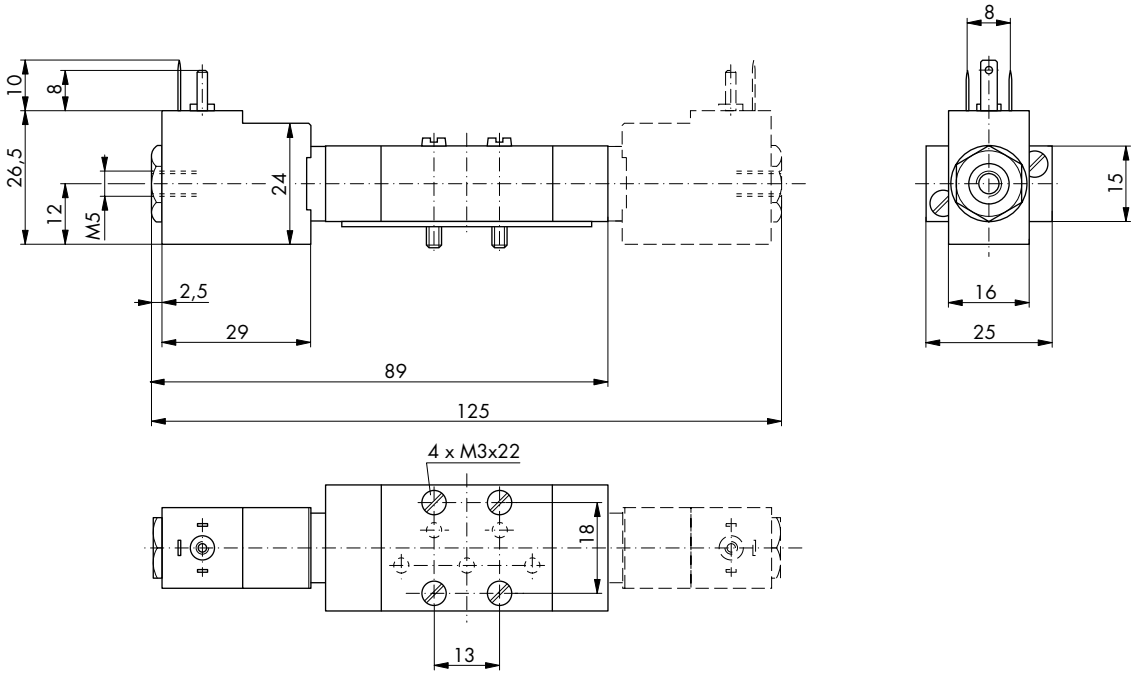
5/2-way Solenoid Steelspool Valves - Subplates (D_{nom} 2 mm)

Actuation: Solenoid

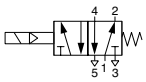
Return: Spring

Coil Type: Type 64

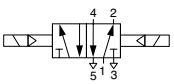




Code	Voltage	Power	Symbol
84.240.01.01	12V DC	1.8 W	
84.240.01.02	24V DC		
84.240.02.12	24V AC	5.5 VA	
84.240.02.14	110V AC		
84.240.02.15	230V AC		



Code	Voltage	Power	Symbol
84.244.01.01	12V DC	1.8 W	
84.244.01.02	24V DC		
84.244.02.12	24V AC	5.5 VA	
84.244.02.14	110V AC		
84.244.02.15	230V AC		



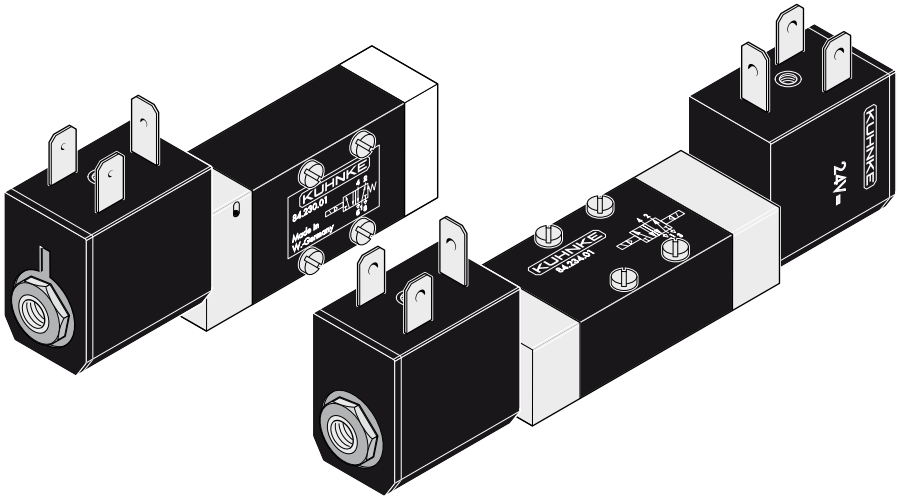
Note: Supplied with screws and gasket.

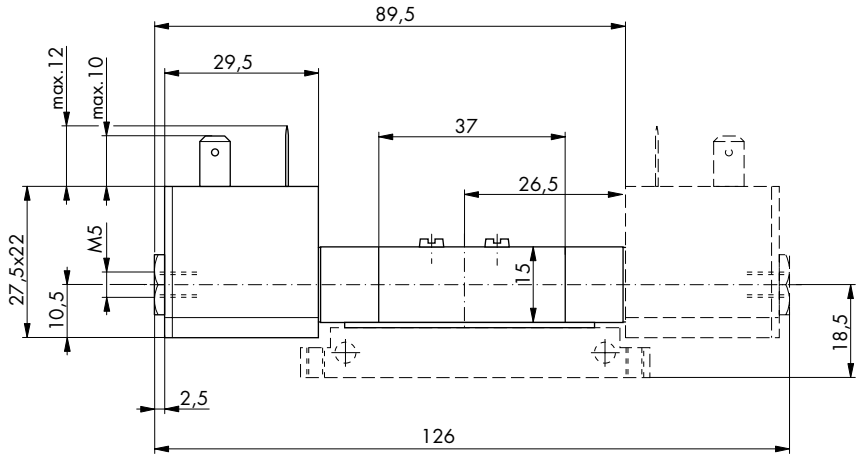
5/2-way Solenoid Steelspool Valves - Subplates (D_{nom} 2 mm)

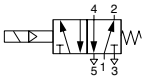
Actuation: Solenoid

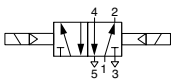
Return: Spring

Coil Type: Type 65





Code	Voltage	Power	Symbol
84.230.01.01	12V DC	1.5 W	
84.230.01.02	24V DC		
84.230.02.12	24V AC	5 VA	
84.230.02.14	110V AC		
84.230.02.15	230V AC		

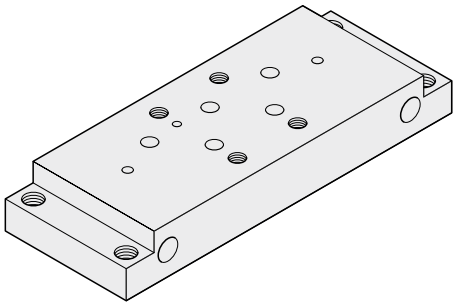
Code	Voltage	Power	Symbol
84.234.01.01	12V DC	1.5 W	
84.234.01.02	24V DC		
84.234.02.12	24V AC	5 VA	
84.234.02.14	110V AC		
84.234.02.15	230V AC		

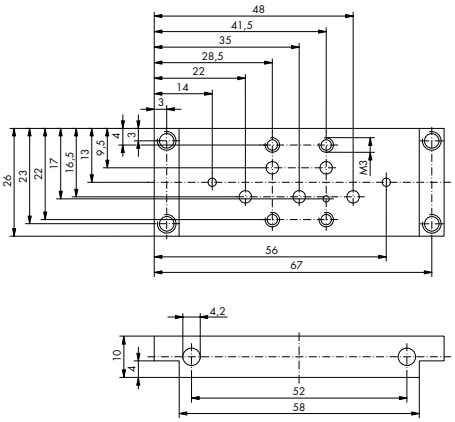
Note: Supplied with screws and gasket.

Accessories for Solenoid Valves - Single Subplate

SECTION D

With M5 connections located on the bottom side of the subplate.



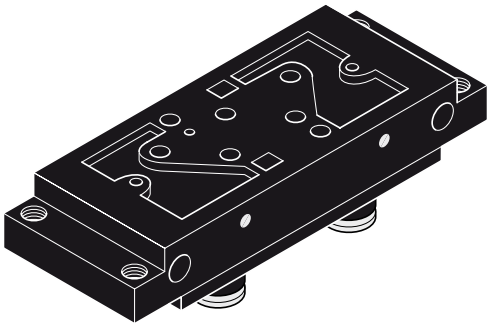


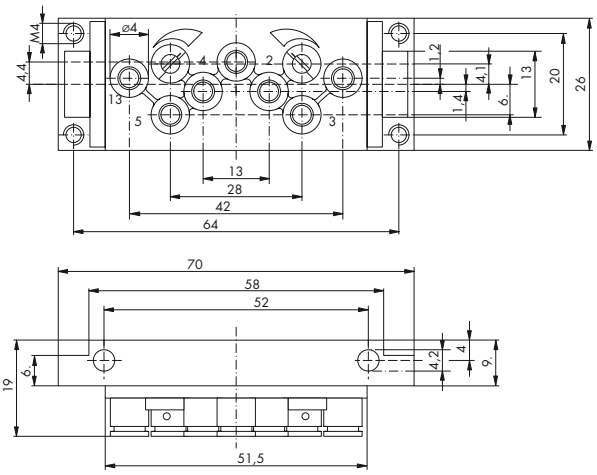
Code
84.402.01

Accessories for Solenoid Valves - Single Subplate with Instant Push-in Fittings

SECTION D

With incorporated "Instant Push-in" fittings on all ports to suit 4 mm o. d. flexible tubing also includes fully adjustable exhaust flow regulators which are integrated within the subplate.





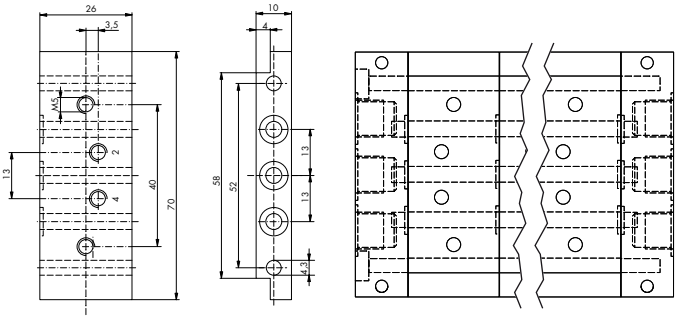
Code
83.450

Accessories for Solenoid Valves - Modular Subplate

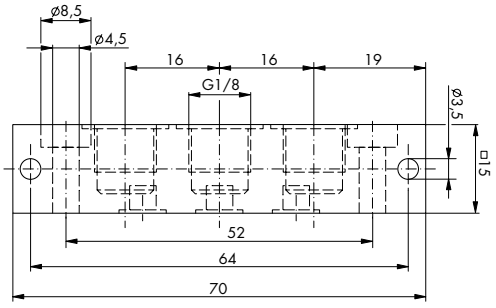
SECTION D

A subplate system incorporating common input and exhaust channels for use with several individual valves. To create your modular subplate are necessary two end plates and single subplates (as valves positions required).

Single Subplate for Assemblies



Universal end Plate for Subplates 84.463



Subplates	*Code*
Single subplates	84.463
Universal end plate*	84.465

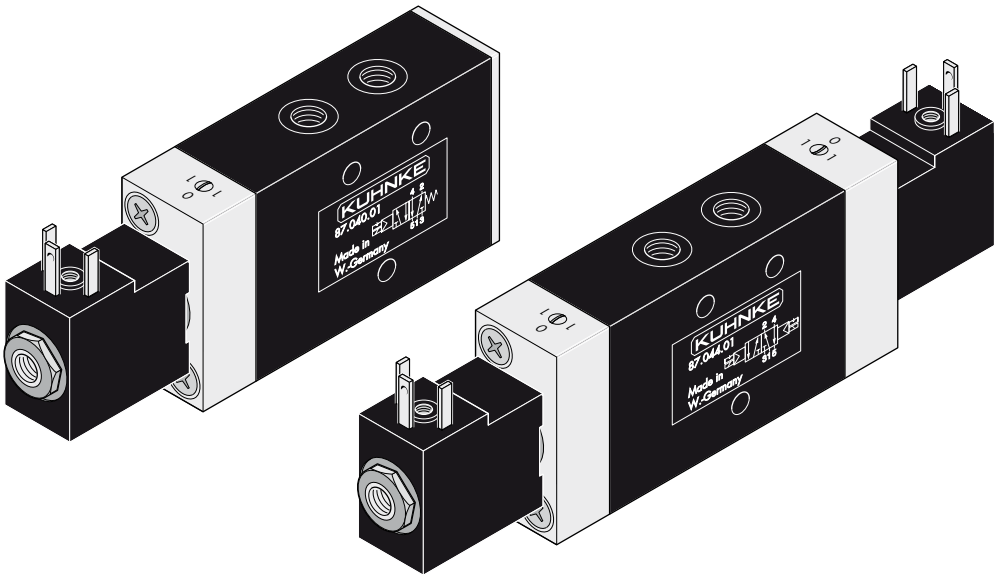
**Note: The kit includes one end-plate, threaded rod and nuts for a maximum of 6 subplates.*

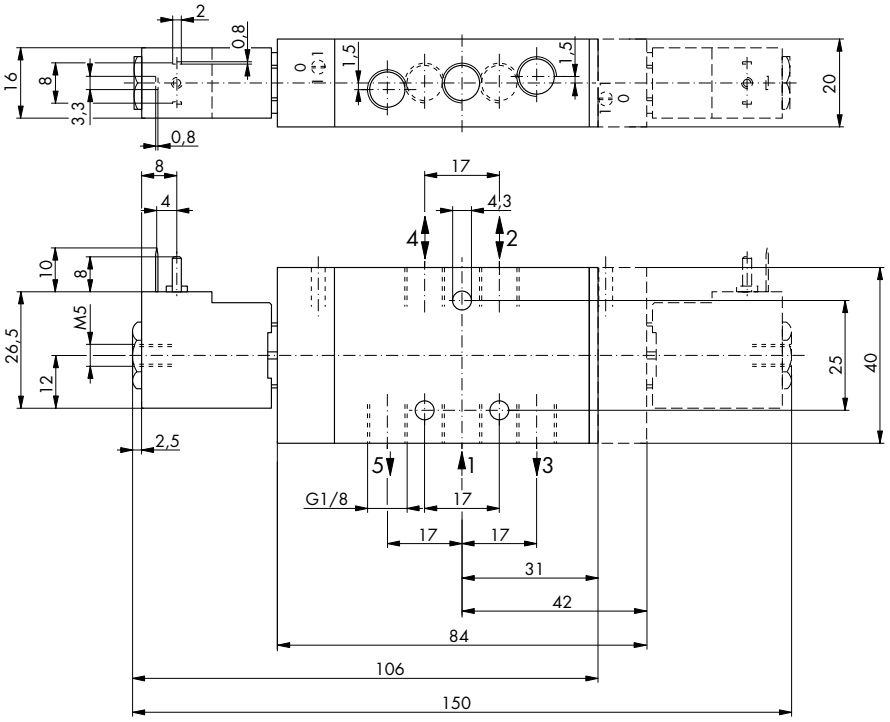
5/2-way Solenoid Steelspool Valves - G 1/8 (D_{nom} 4 mm)

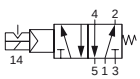
Actuation: Solenoid, manual override

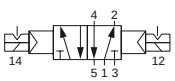
Return: Spring

Coil Type: Type 64





Code	Voltage	Power	Symbol
87.040.01.01	12V DC	1.8 W	
87.040.01.02	24V DC		
87.040.02.12	24V AC	5.5 VA	
87.040.02.14	110V AC		
87.040.02.15	230V AC		

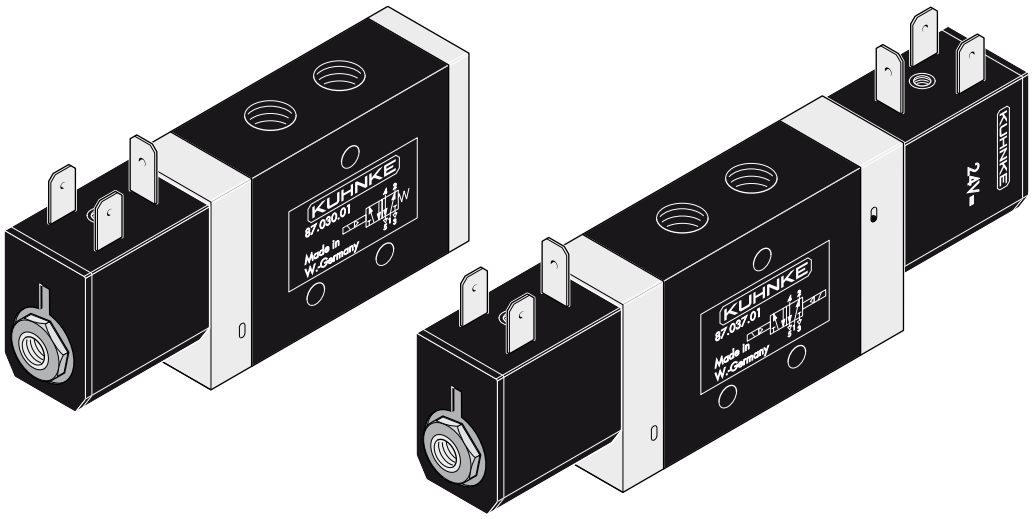
Code	Voltage	Power	Symbol
87.044.01.01	12V DC	1.8 W	
87.044.01.02	24V DC		
87.044.02.12	24V AC	5.5 VA	
87.044.02.14	110V AC		
87.044.02.15	230V AC		

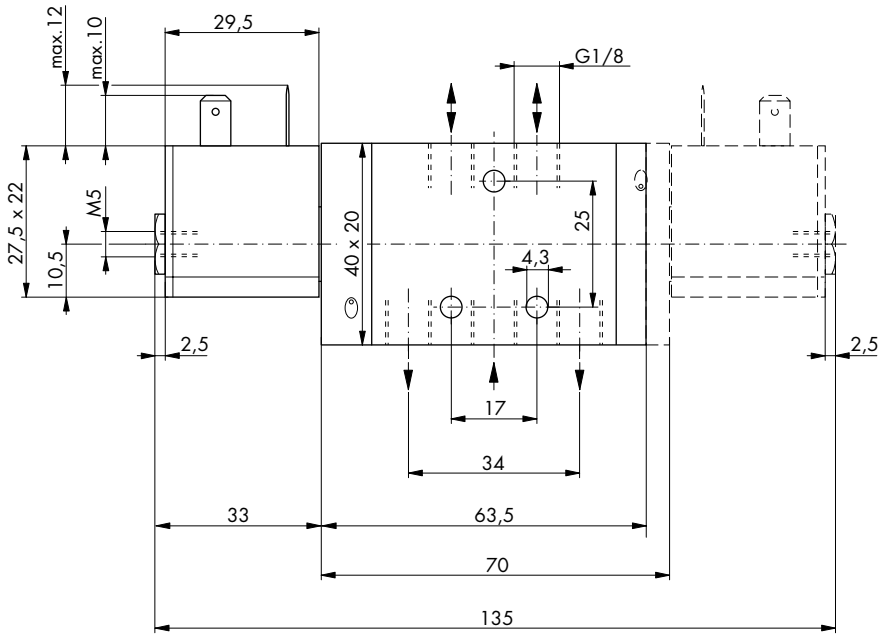
5/2-way Solenoid Steelspool Valves - G 1/8 (D_{nom} 4 mm)

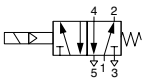
Actuation: Solenoid

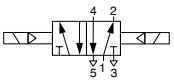
Return: Spring

Coil Type: Type 65





Code	Voltage	Power	Symbol
87.030.01.01	12V DC	4.5 W	
87.030.01.02	24V DC		
87.030.02.12	24V AC	5 VA	
87.030.02.14	110V AC		
87.030.02.15	230V AC		

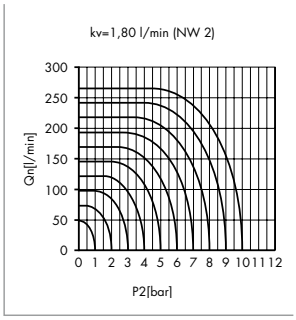
Code	Voltage	Power	Symbol
87.037.01.01	12V DC	4.5 W	
87.037.01.02	24V DC		
87.037.02.12	24V AC	5 VA	
87.037.02.14	110V AC		
87.037.02.15	230V AC		

MECHANICAL VALVES

General Information

Series	*Section*	*Function*	*Pressure range*	*Pressure connection (nominal orifice)*
Series 79	A	3/2-way	0 - 10 bar	M5 (2 mm)
Series 81	B	5/2-way	0 - 10 bar	M5 (2 mm)

Housing material:	Aluminium alloy
Valve end cap material:	Zinc alloy or Makrolon®
Spool and liner material:	Steel, hardened, corrosion resistant
Ambient temperature range:	-10 °C +70 °C (for NO valves min. 0 °C)
Mounting:	Any position
Lubricant:	Shell Tellus C10 or equivalent
Operating medium:	5 micron filtered, lubricated (or not) compressed air; also suitable for other media conforming to ISO-VG 10

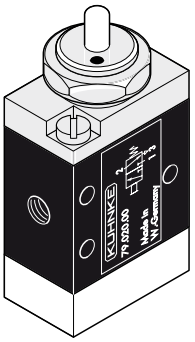


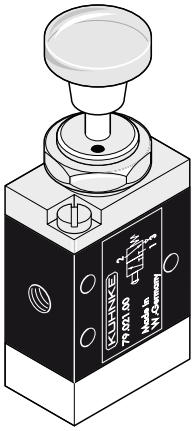
3/2-way Steelspool Valves - M5 (D_{nom} 2 mm)

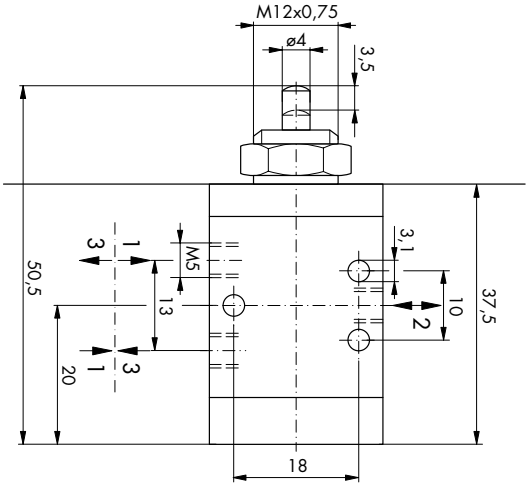
Actuation: Plunger, pushbutton

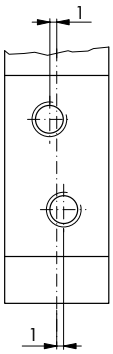
Actuation Force: 8 N (6 bar approx.)

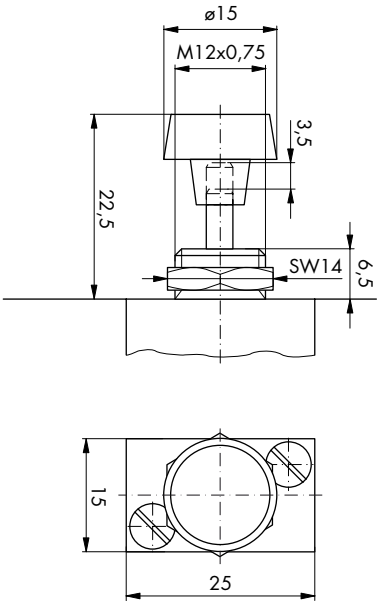
Return: Spring

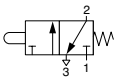
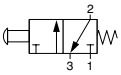










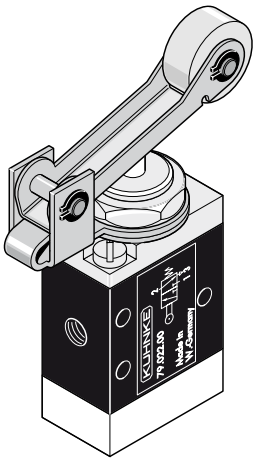
Code	Type	Symbol
79.020	Plunger	
79.021	Pushbutton	

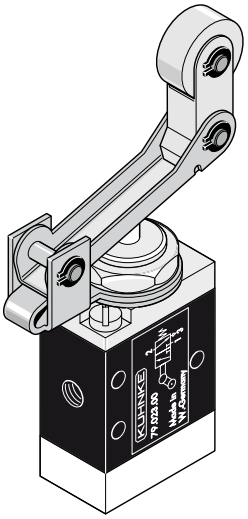
3/2-way Steelspool Valves - M5 (D_{nom} 2 mm)

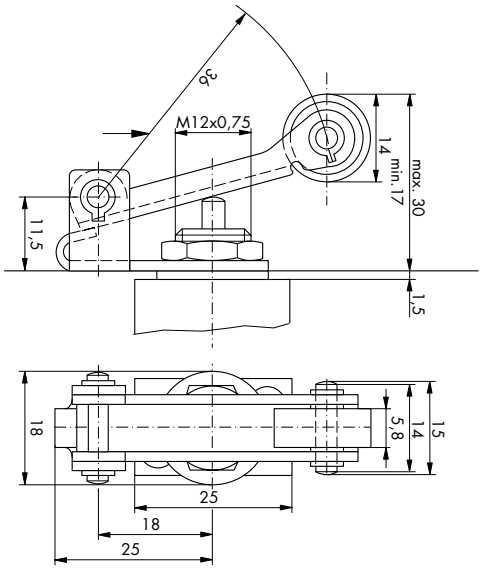
Actuation: Roller lever (one or two way)

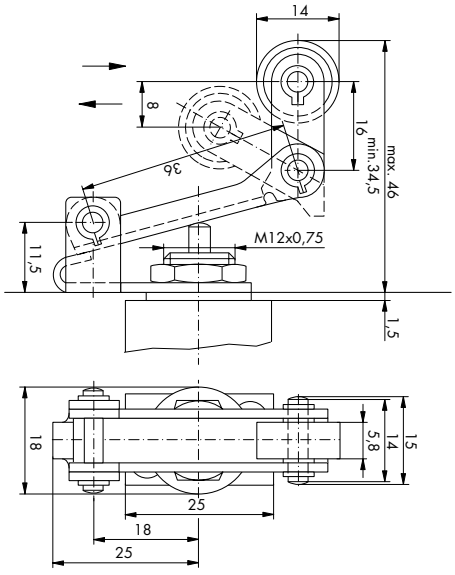
Actuation Force: 4 N (6 bar approx.)

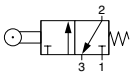
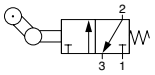
Return: Spring









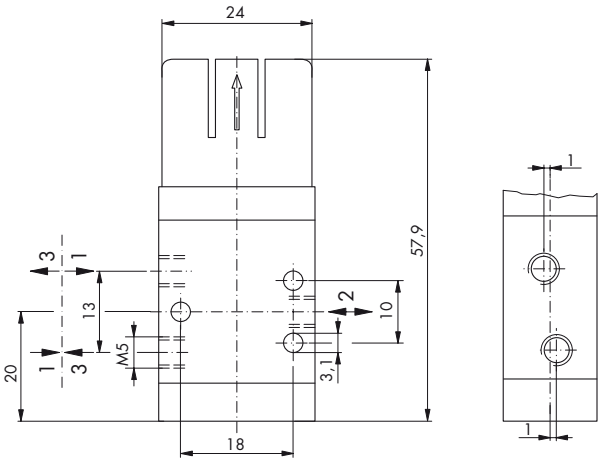
Code	Type	Spare part lever	Symbol
79.022	Two way roller lever	MM4930017	
79.023	One way roller lever	MM4930016	

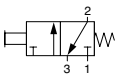
3/2-way Steelspool Valves - M5 (D_{nom} 2 mm)

"Valves for control panel actuators" are fitted with a connector suitable for Moeller pushbuttons. The valve should be ordered from BSG Kuhnke Solutions and the actuator directly from Heaton-Moeller GmbH using their order number (see below). For further information visit: www.moeller.net

Actuation: Pushbutton (order separately)

Return: Spring



Code	*Symbol*
79.017.03	

Note: Mounting depth 90 mm + 10 mm for mounting.

Moeller Description	*Moeller Series*	*Moeller Order No.*	*Symbol*
Black pushbutton, flush	M 22 - D - S	216590	
Selector switch 2 positions with detent	M 22 S - WR	216856	
Black mushroom without detent	M 22 - DP - S	216712	
Emergency stop button non illuminated with detent	M 22 - PV	216876	
Key operated button, 2 positions	M 22 - WRS	216887	

Pushbutton Assembly Instruction

Client must unscrew the brass part from the thread M12 hole of the valve, then disassemble the black interface of Moeller pushbutton, assemble the valve on the back of the panel, then assemble the black interface, screw the brass part to the M12 thread of the valve in way to fix the panel and mount the choosen pushbutton on this black part.

3/2-way Steelspool Valves - M5 (D_{nom} 2 mm)

Technical Data: Pressure range: 2-10 bar

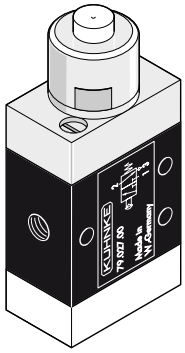
Actuation: Pushbutton

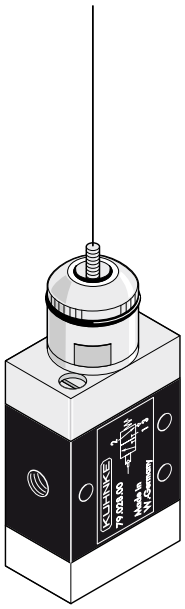
Switching time: approx. 65 ms (at 6 bar)

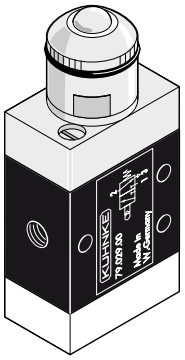
Air consumption: approx. 2 Nl/min (at 6 bar)

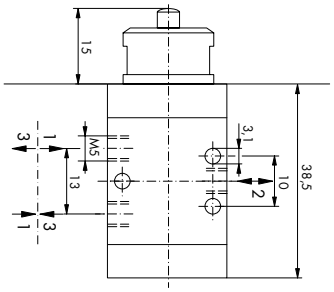
Function:

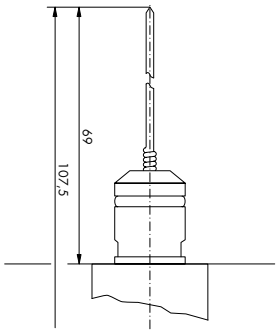
An internal connection from port 1 via a calibrated aperture bleeds to atmosphere via a nozzle. Upon actuation the nozzle is closed creating pressure within the valve changing the status of the spool.

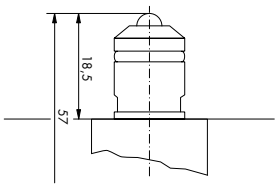


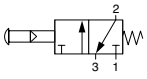
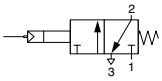
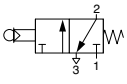










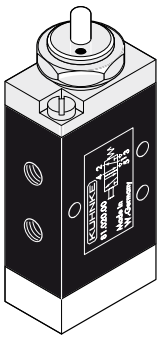
Code	Actuation	Return	Actuation force (6 bar)	Symbol	Note
79.027	Pushbutton	Spring	approx. 0.25 N		
79.028	Deflection of a cat whisker	Spring	approx. 0.05 N		The length of whisker can be adjusted maximum 10 mm. Spare whisker: *MM4920003*
79.029	Ball	Spring	approx. 0.25 N		Actuation stroke approx. 1 mm

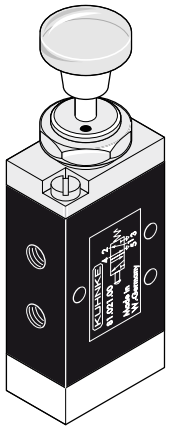
5/2-way Steelspool Valves - M5 (D_{nom} 2 mm)

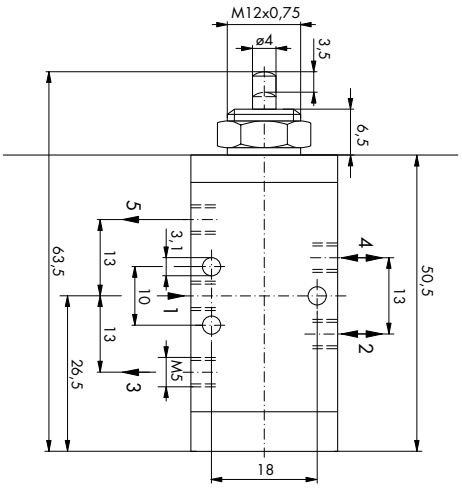
Actuation: Plunger, pushbutton

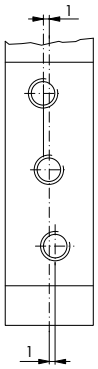
Actuation Force: Plunger, pushbutton 10 N (6 bar approx.)

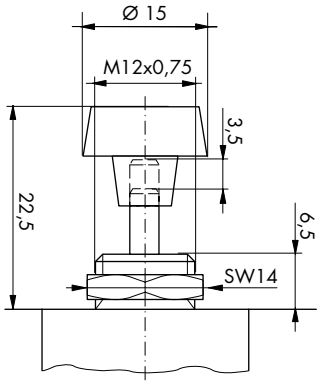
Return: Spring

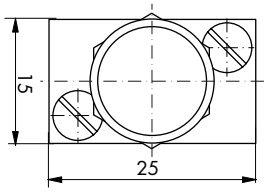


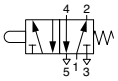
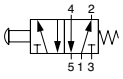










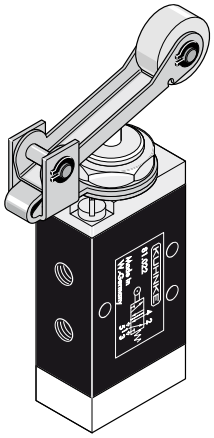
Code	*Type*	*Symbol*
81.020	Plunger	
81.021	Pushbutton	

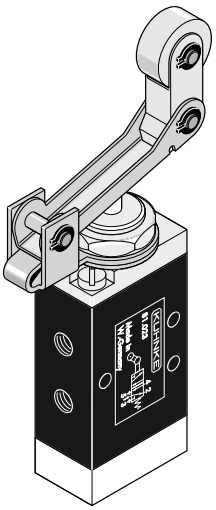
5/2-way Steelspool Valves - M5 (D_{nom} 2 mm)

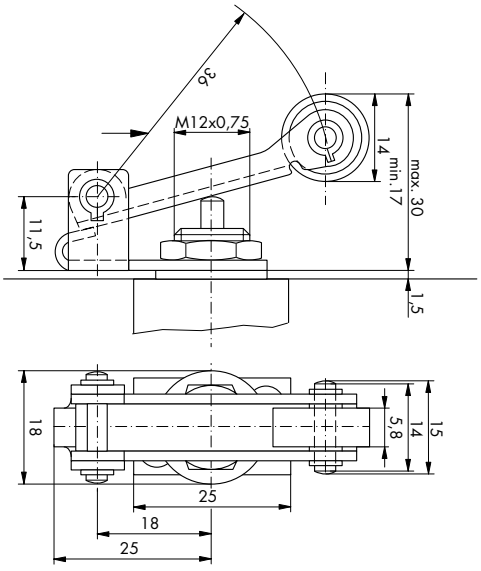
Actuation: Roller lever (one or two way)

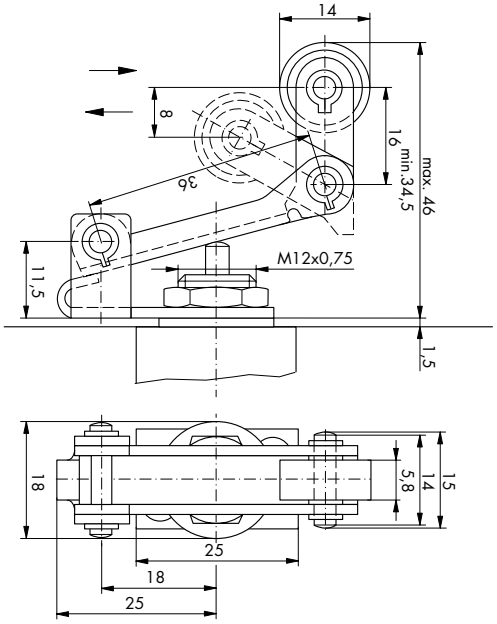
Actuation Force: 5 N (6 bar approx.)

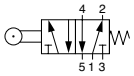
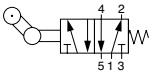
Return: Spring









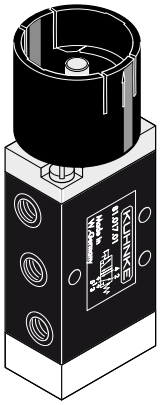
Code	Type	Spare part lever	Symbol
81.022	Two way roller lever	MM4930017	
81.023	One way roller lever	MM4930016	

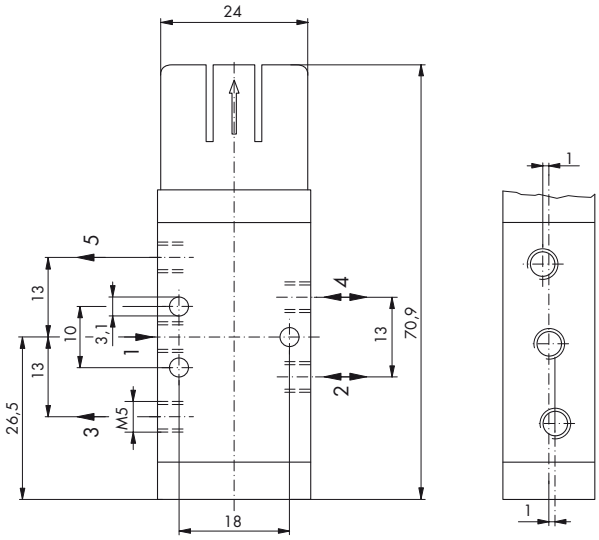
5/2-way Steelspool Valves - M5 (D_{nom} 2 mm)

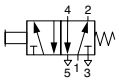
"Valves for control panel actuators" are fitted with a connector suitable for Moeller pushbuttons. The valve should be ordered from BSG Kuhnke Solutions and the actuator directly from Heaton-Moeller GmbH using their order number (see below). For further information visit: www.moeller.net

Actuation: Pushbutton (order separately)

Return: Spring





Code	*Symbol*
81.017.03	

Note: Mounting depth 90 mm + 10 mm for mounting.

Moeller Description	*Moeller Series*	*Moeller Order No.*	*Symbol*
Black pushbutton, flush	M 22 - D - S	216590	
Selector switch 2 positions with detent	M 22 S - WR	216856	
Black mushroom without detent	M 22 - DP - S	216712	
Emergency stop button non illuminated with detent	M 22 - PV	216876	
Key operated button, 2 positions	M 22 - WRS	216887	

Pushbutton Assembly Instruction

Client must unscrew the brass part from the thread M12 hole of the valve, then disassemble the black interface of Moeller pushbutton, assemble the valve on the back of the panel, then assemble the black interface, screw the brass part to the M12 thread of the valve in way to fix the panel and mount the choosen pushbutton on this black part.

5/2-way Steelspool Valves - M5 (D_{nom} 2 mm)

Technical Data: Pressure range: 2-10 bar

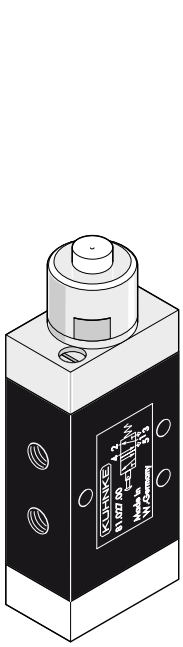
Actuation: Pushbutton

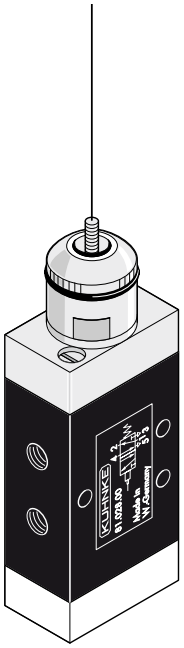
Switching time: approx. 65 ms (at 6 bar)

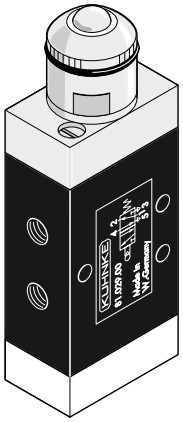
Air consumption: approx. 2 Nl/min (at 6 bar)

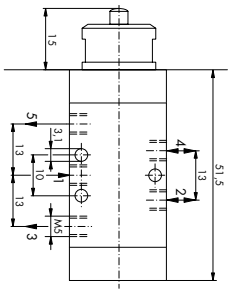
Function:

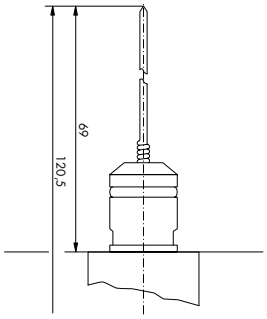
An internal connection from port 1 via a calibrated aperture bleeds to atmosphere via a nozzle. Upon actuation the nozzle is closed creating pressure within the valve changing the status of the spool.

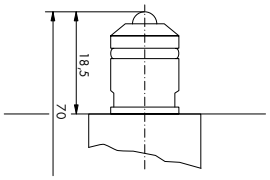


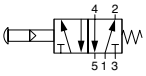
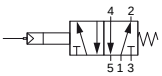
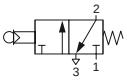








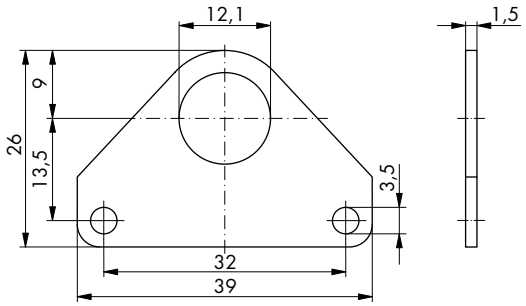


Code	Actuation	Return	Actuation force (6 bar)	Symbol	Note
81.027	Pushbutton	Spring	approx. 0.25 N		
81.028	Deflection of a cat whisker	Spring	approx. 0.05 N		The length of whisker can be adjusted maximum 10 mm. Spare whisker: *MM4920003*
81.029	Ball	Spring	approx. 0.25 N		Actuation stroke approx. 1 mm

Accessories for Mechanical Valves - Mounting Accessories

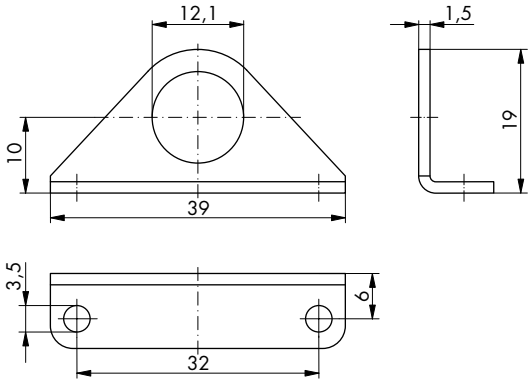
A mounting flange or bracket can be used as an alternative method for mounting mechanical valves utilising the M12 x 0.75 valve thread.

Mounting Flange



Code
43.010.1

Mounting Bracket



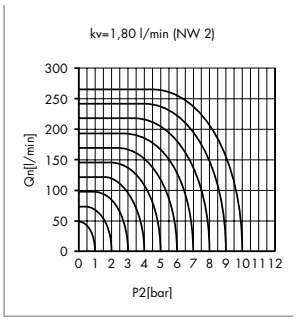
Code
43.010.2

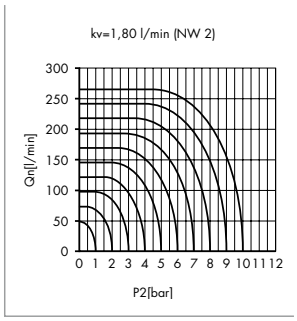
PNEUMATIC VALVES

General Information

Series	*Section*	*Function*	*Pressure range*	*Pressure connection (nominal orifice)*
Series 79	A	3/2-way	0 - 10 bar	M5 (2 mm)
Series 85	B	3/2-way	0 - 10 bar	G 1/8 (4 mm)
Series 81	C	5/2-way	0 - 10 bar	M5 (2 mm)
Series 84	D	5/2-way	0 - 10 bar	subplates only (2 mm)
Series 87	E	5/2-way	0 - 10 bar	G 1/8 (4 mm)

Housing material:	Aluminium alloy
Valve end cap material:	Zinc alloy or Makrolon®
Spool and liner material:	Steel, hardened, corrosion resistant
Ambient temperature range:	-10 °C +70 °C (for NO valves min. 0 °C)
Mounting:	Any position
Lubricant:	Shell Tellus C10 or equivalent
Operating medium:	5 micron filtered, lubricated (or not) compressed air; also suitable for other media conforming to ISO-VG 10

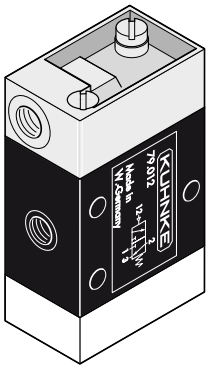


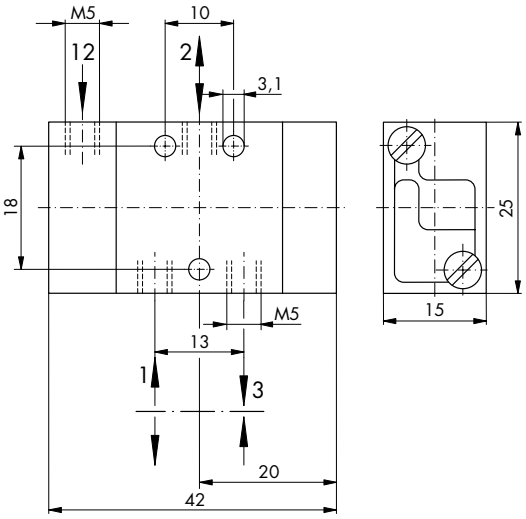


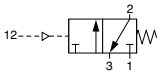
3/2-way Pneumatic Steelspool Valves - M5 (D_{nom} 2 mm)

Actuation: Pressure at 12

Return: Spring





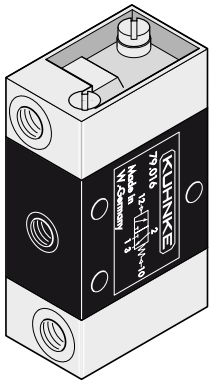
Code	Symbol
79.012	

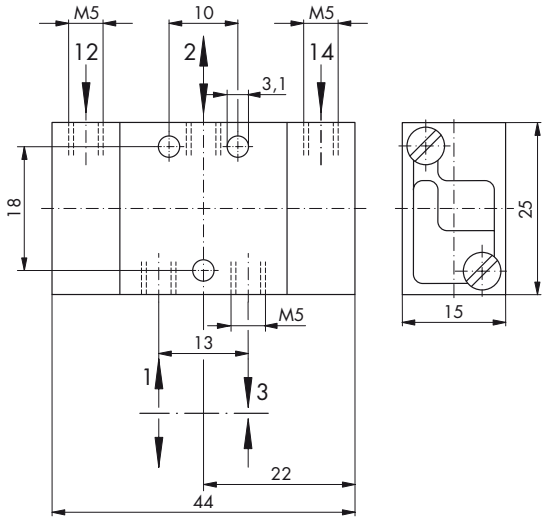
3/2-way Pneumatic Steelspool Valves - M5 (D_{nom} 2 mm)

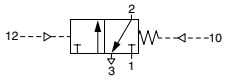
Actuation: Pressure at 10 and 12

Return: Action by spring when pressure at 10 and 12 are the same

Min. control pressure: 2 bar





Code	Symbol
79.016	

3/2-way Air Bleed Operated Steelspool Valves - M5 (D_{nom} 2 mm)

Switching time at 6 bar: Actuation time depends on volume of tubing

Pressure range: 2 - 10 bar

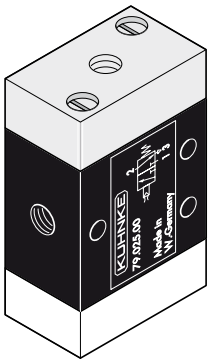
Actuation: Via nozzle with hose, via fixed nozzle

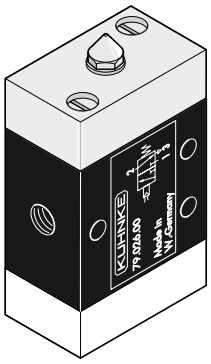
Return: Spring

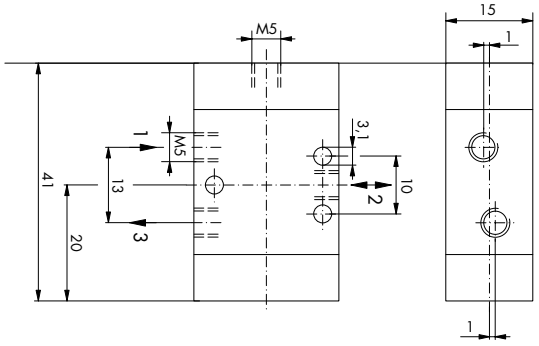
Air consumption at 6 bar: Approx. 2 Nl/min (0 °C 1013 mbar)

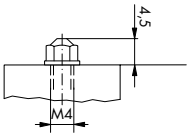
Function:

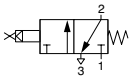
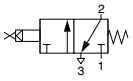
An internal connection from port 1 via a calibrated aperture bleeds to atmosphere via a nozzle. Upon actuation the nozzle is closed creating pressure within the valve changing the status of the spool.









Code	Actuation	Symbol
79.025 *	Nozzle with hose	
79.026	Fixed nozzle	

** The necessary accessories are 1 tube nipple, 1 nozzle, 1 hose 4x1x500 length, code 43.138.*

3/2-way Pneumatic Steelspool Valves - M5 (D_{nom} 2 mm)

SECTION A

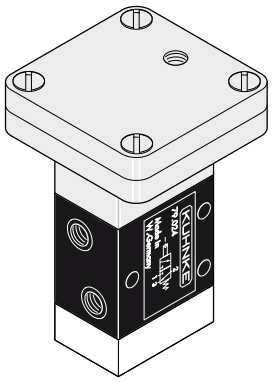
Valve type: Step-up relay (amplifier)

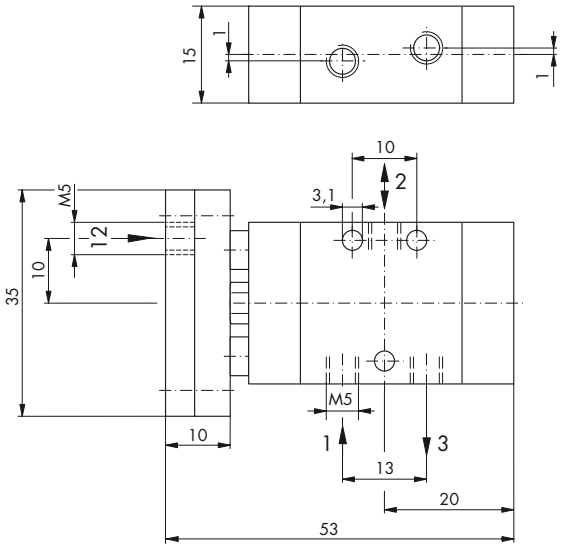
Pressure range: 2 - 10 bar

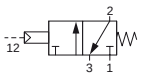
Return: Spring

Control pressure: 5 - 100 mbar

Air consumption: Approx. 2 Nl/min (0° C, 1013 mbar)





Code	Symbol
79.024	

3/2-way Pulse Shaper Steelspool Valves - M5 (D_{nom} 2 mm)

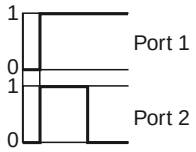
SECTION A

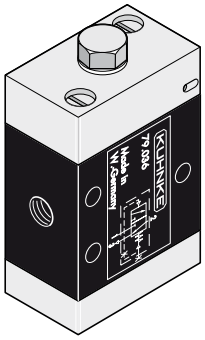
The pulse shaper converts one continuous input pulse into a short one. Used for example with constant pulses. The pulse can be lengthened by connecting an additional volume to 12.

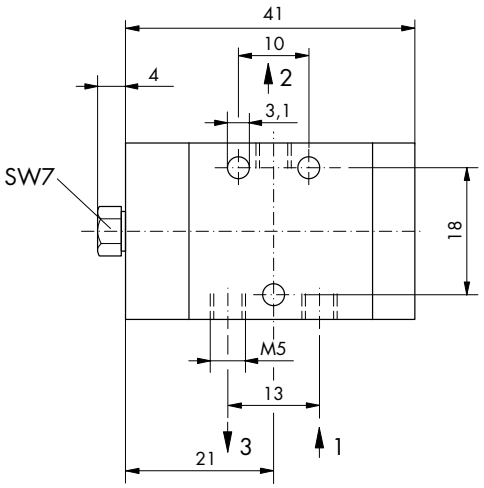
Pressure range: 3 - 10 bar

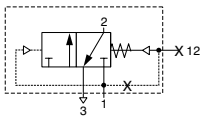
Function: Input signal at 1
Output signal at 2

Pulse length: Approx. 80 - 140 ms at 8 bar (without added volume)





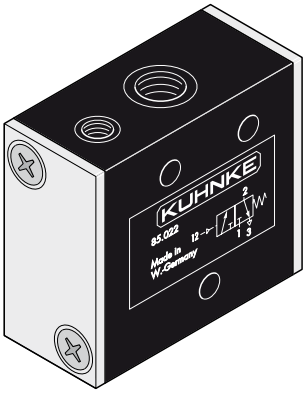


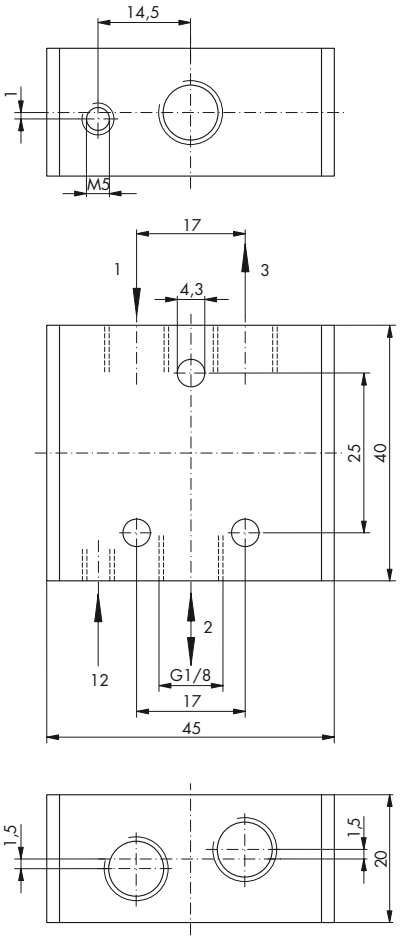
Code	Symbol
79.036	

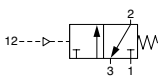
3/2-way Pneumatic Steelspool Valves - G 1/8 (D_{nom} 4 mm)

Actuation: Pressure at 12

Return: Spring





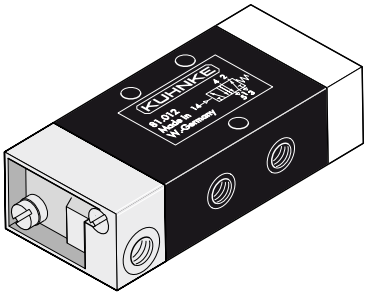
Code	Symbol
85.022	

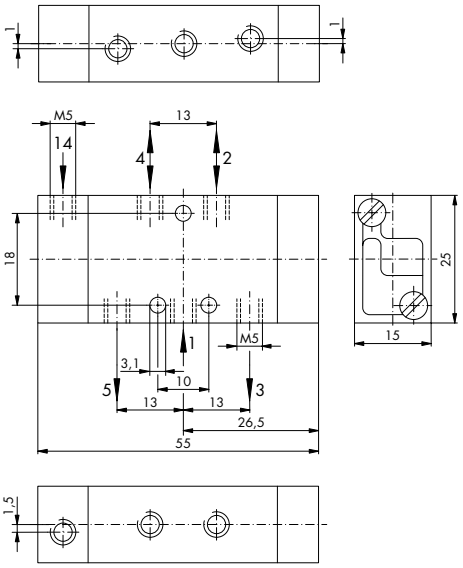
5/2-way Pneumatic Steelspool Valves - M5 (D_{nom} 2 mm) SECTION C

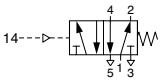
Actuation: Pressure at 14

Return: Spring

Min. control pressure: 2 bar



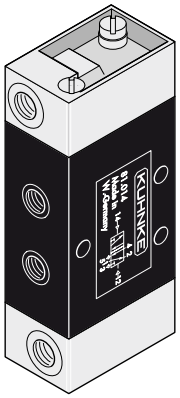


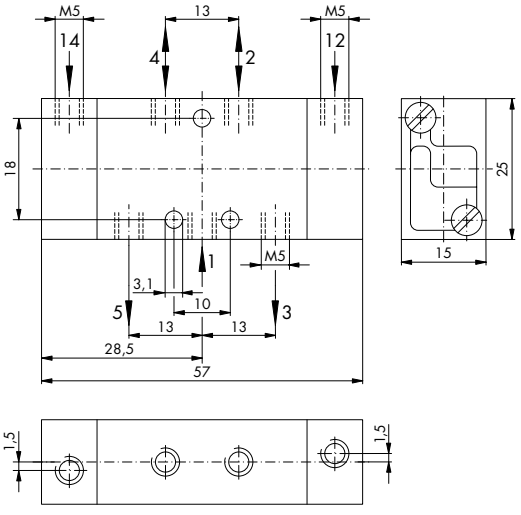
Code	Symbol
81.012	

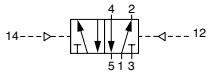
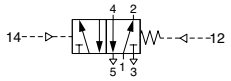
5/2-way Pneumatic Steelspool Valves - M5 (D_{nom} 2 mm) SECTION C

Actuation: Pressure at 14

Min. control pressure: 2 bar





Code	Return	Symbol
81.014 *	Pressure at 12	
81.016	Actuation by spring when pressure at 14 and 12 are the same	

*With mechanical detent.
It is strictly prohibited to remove the detent as uncontrollable switching will occur.

5/2-way Pneumatic Steelspool Valves - M5 (D_{nom} 2 mm)

Switching time at 6 bar: Actuation time depends on volume of tubing

Pressure range: 2 - 10 bar

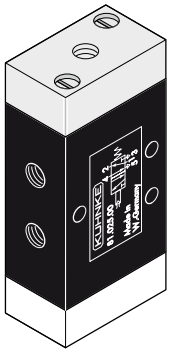
Return: Spring

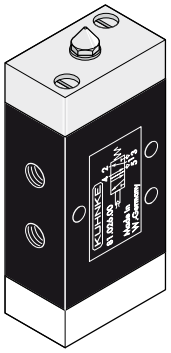
Actuation: Via nozzle with hose, via fixed nozzle

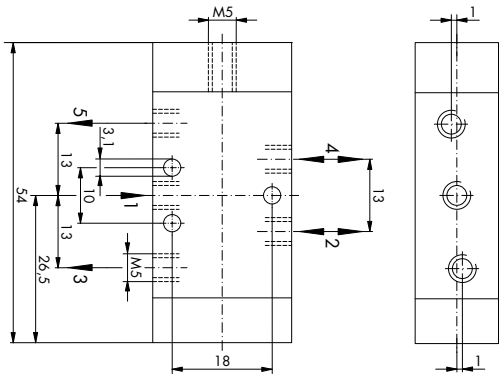
Air consumption at 6 bar: Approx. 2 Nl/min (0 °C 1013 mbar)

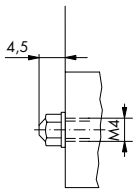
Function:

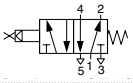
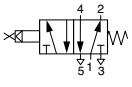
An internal connection from port 1 via a calibrated aperature bleeds to atmosphere via a nozzle. Upon actuation the nozzle is closed creating pressure within the valve changing the status of the spool.









Code	Actuation	Symbol
81.025 *	Nozzle with hose	
81.026	Fixed nozzle	

** The necessary accessories are 1 tube nipple, 1 nozzle, 1 hose 4x1x500 length, code 43.138.*

5/2-way Pneumatic Steelspool Valves - M5 (D_{nom} 2 mm)

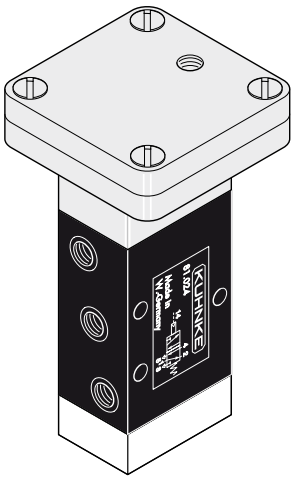
Valve type: Step-up relay (amplifier)

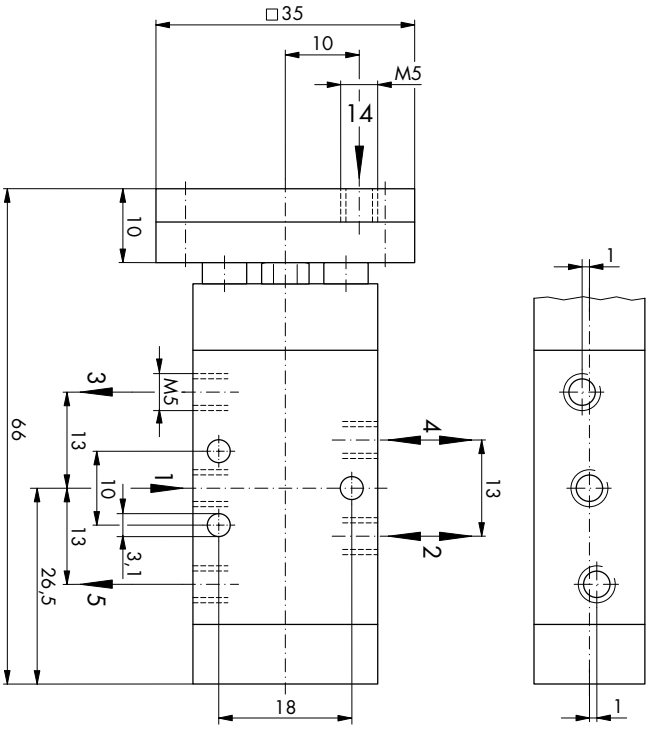
Pressure range: 2 - 10 bar

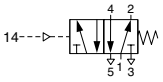
Return: Spring

Control pressure: 5 - 100 mbar

Air consumption: Approx. 2 Nl/min (0° C, 1013 mbar)



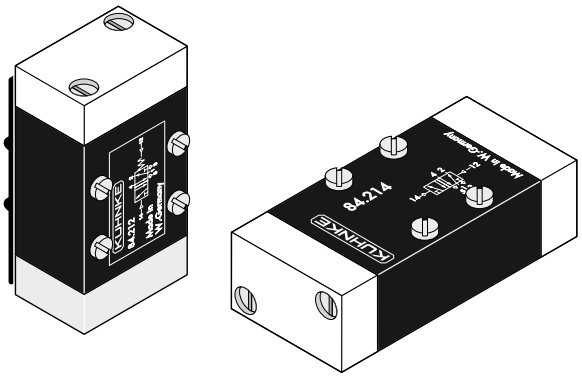


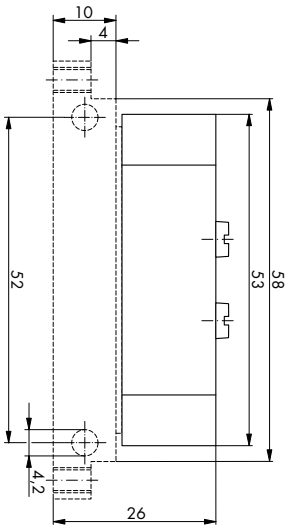
Code	Symbol
81.024	

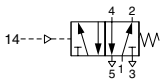
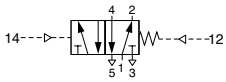
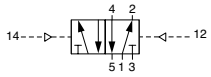
5/2-way Pneumatic Steelspool Valves - Subplates (D_{nom} 2 mm)

Actuation: Pressure at 14

Min. control pressure: 2 bar





Code	Return	Symbol
84.212	Spring	
84.212	Actuation by spring when pressure at 14 and 12 are the same	
84.214 *	Pressure at 12	

*With mechanical detent.
It is strictly prohibited to remove the detent as uncontrollable switching will occur.

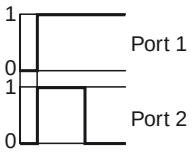
5/2-way Pulse Shaper Steelspool Valves - Subplates (D_{nom} 2 mm)

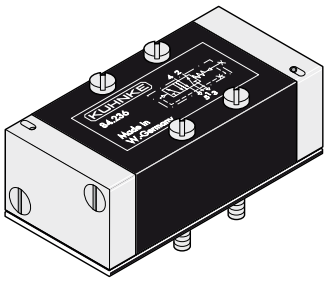
The pulse shaper converts one continuous input pulse into a short one.Used for example with constant pulses. The pulse can be lengthened by connecting an additional volume to 12.

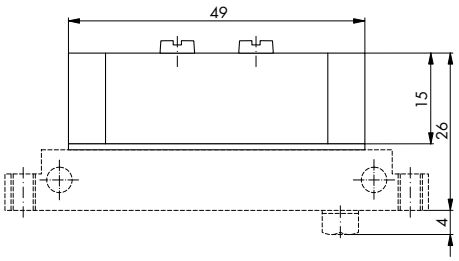
Pressure range: 3 - 10 bar

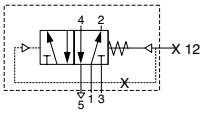
Function: Input signal at 1
Output signal at 2

Pulse length: Approx. 80 - 140 ms at 8 bar (without added volume)







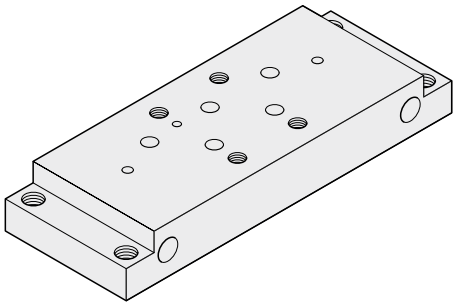
Code	Symbol
84.236	

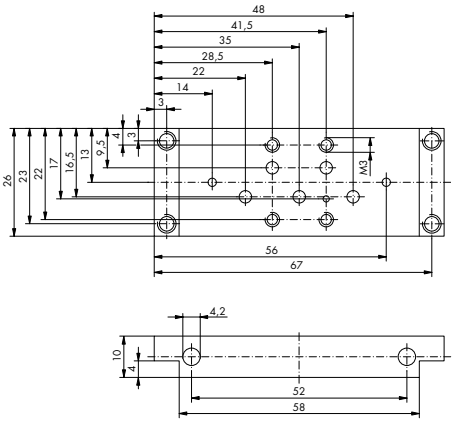
Note: Approx. 80 - 140 ms at 8 bar (without added volume).

Accessories for Solenoid Valves - Single Subplate

SECTION D

With M5 connections located on the bottom side of the subplate.



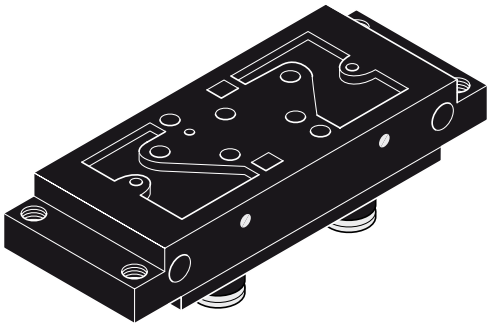


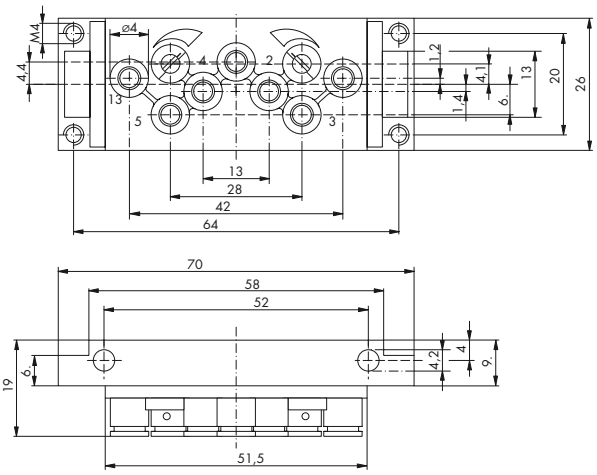
Code
84.402.01

Accessories for Solenoid Valves - Single Subplate with Instant Push-in Fittings

SECTION D

With incorporated "Instant Push-in" fittings on all ports to suit 4 mm o. d. flexible tubing also includes fully adjustable exhaust flow regulators which are integrated within the subplate.





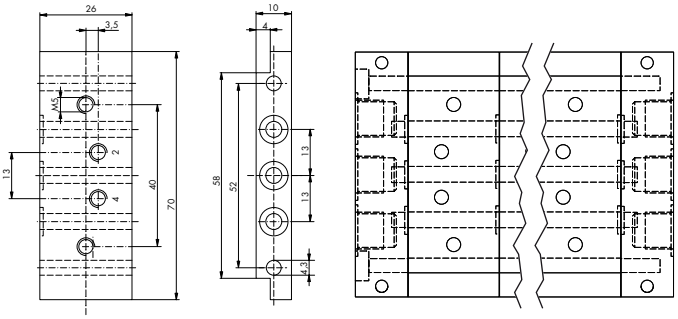
Code
83.450

Accessories for Solenoid Valves - Modular Subplate

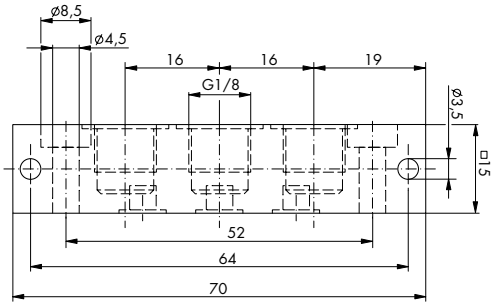
SECTION D

A subplate system incorporating common input and exhaust channels for use with several individual valves. To create your modular subplate are necessary two end plates and single subplates (as valves positions required).

Single Subplate for Assemblies



Universal end Plate for Subplates 84.463

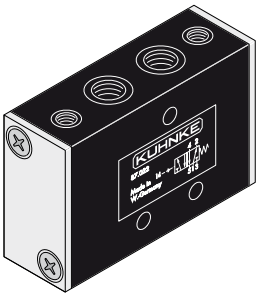


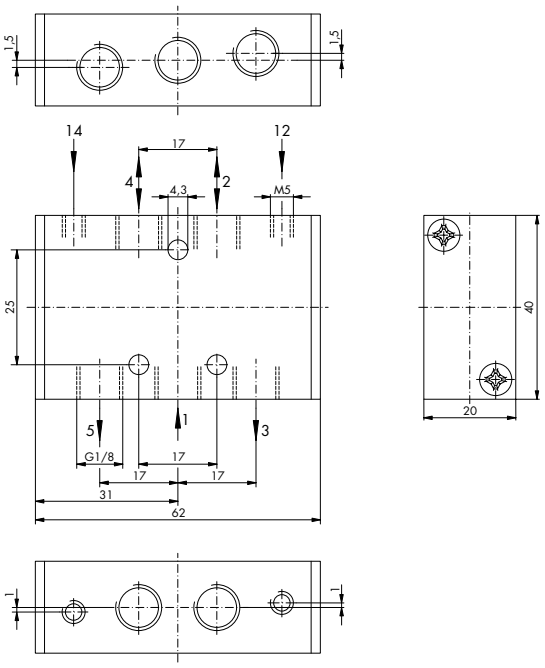
Subplates	*Code*
Single subplates	84.463
Universal end plate*	84.465

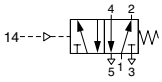
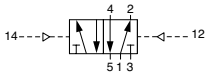
**Note: The kit includes one end-plate, threaded rod and nuts for a maximum of 6 subplates.*

5/2-way Pneumatic Steelspool Valves - G 1/8 (D_{nom} 4 mm)

Actuation: Pressure at 14



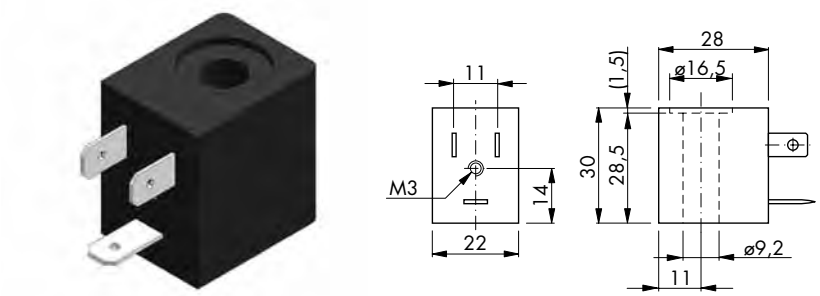


Code	*Return*	*Symbol*
87.022	Spring	
87.024	Pressure at 12	

COILS & PLUG-IN SOCKETS

Coils Type 64 - DIN C

Electrical versions:	VDE 0580, VDE 0110
Pull-in power:	Approx. 1.5 x nominal (AC)
Insulation class:	F (155 °C)
Duty cycle:	Continuous 100 %
Materials bobbin:	PA 6.6
Cover:	EP
Electrical connections:	Plug-in socket, flying lead, flat plug receptacles 2 x 0.8 DIN 43650 type C



Low Power Version

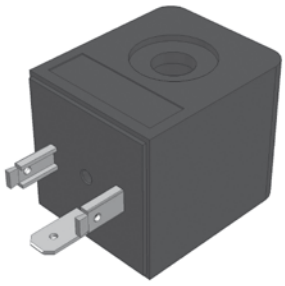
Code	*Power*	*Voltage*	*Nominal resistance*	*Nominal current*	*Return power*	*Pull-in time*	*Drop-out time*
JL5910008	(DC Version) *approx. 1.8 W*	12	93	129	0.027 W	4-10 ms	3-9 ms
JL5910001		24	403	59			
JL5910004	(AC Version) *approx. 5.5 VA* (50/60Hz)	24	57	200	1.4 VA	5-10 ms	3-5 ms
JL5910005		110	1440	32			
JL5910009		230	4350	22			

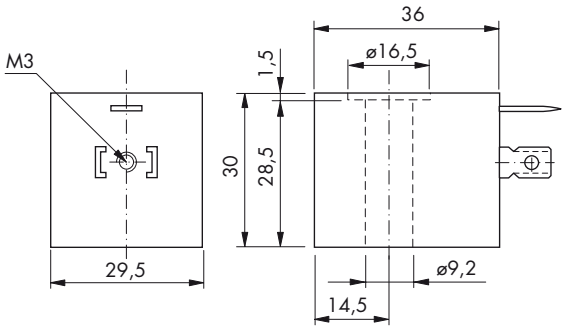
High Power Version

Code	*Power*	*Voltage*	*Nominal resistance*	*Nominal current*	*Return power*	*Pull-in time*	*Drop-out time*
JL5910024	(DC Version) *approx. 4.6 W*	12	31	386	0.15 W	5-10 ms	3-5 ms
JL5910022		24	124	193			

Coils Type 65 - DIN B

Electrical versions:	VDE 0580, VDE 0110
Pull-in power:	Approx. 1.5 x nominal (AC)
Insulation class:	F (120 °C)
Duty cycle:	Continuous 100 %
Materials bobbin:	PA 6.6
Cover:	EP
Electrical connections:	Plug-in socket, flat plug receptacles 6.3 x 0.8 DIN 46247 type B





Low Power Version

Code	*Power*	*Voltage*	*Nominal resistance*	*Nominal current*	*Return power*	*Pull-in time*	*Drop-out time*
JL5910013	(DC Version) *approx. 1.5 W*	12	93	129	0.027 W	10-14 ms	8-12 ms
JL5910002		24	403	59			
JL5910006	(AC Version) *approx. 5 VA* (50/60Hz)	24	57	200	1.4 VA	4-11 ms	5-10 ms
JL5910015		110	1036	50			
JL5910007		230	4950	22			

High Power Version

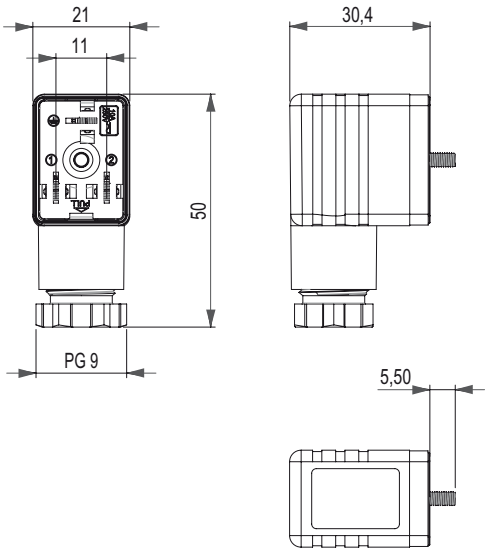
Code	*Power*	*Voltage*	*Nominal resistance*	*Nominal current*	*Return power*	*Pull-in time*	*Drop-out time*
JL5910018	(DC Version) *approx. 4.5 W*	12	37	350	0.15 W	10-15 ms	3-5 ms
JL5910003		24	117	205			

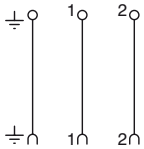
Plug-in Socket - DIN 43650 Type B

Nominal Voltage AC/DC: 250V AC/DC
Nominal current: 10 A
Contact resistance: <= 5 mΩ
Wire cross section: max 1.5 mm² (AWG 16)

Casing: PA6 GF
LED: none
No. of poles: 2+ground (earth position H12)
Cable screw connection: Pg 9

Protection: IP 65 (if correctly assembled)
Gasket: flat
Colour: black
Ambient temperature: from -40 °C to +100 °C





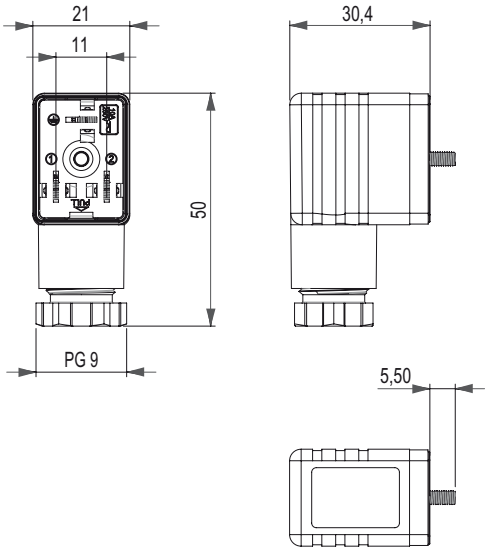
Code	Voltage
PBP.00.N000	Up to 250V

Plug-in Socket - DIN 43650 Type B (LED)

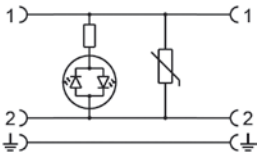
Nominal Voltage AC/DC: see order code
Nominal current: 4 A
Contact resistance: <= 5 mΩ
Wire cross section: max 1.5 mm²

Casing: PA12
LED: yellow
No. of poles: 2+ground (earth position H12)
Cable screw connection: Pg 9

Protection: IP 65 (if correctly assembled)
Gasket: flat
Colour: transparent
Ambient temperature: from -20 °C to +80 °C



Code	Voltage
PBP.00.Y024	24V
PBP.00.Y115	115V
PBP.00.Y230	230V

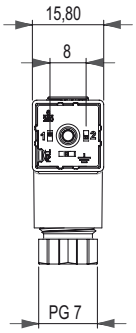


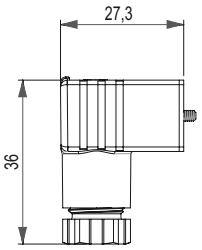
Plug-in Socket - DIN 43650 Type C

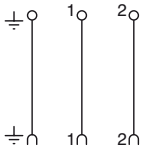
Nominal Voltage AC/DC: 250V AC/DC
Nominal current: 6 A
Contact resistance: <= 5 mΩ
Wire cross section: max 1.0 mm²

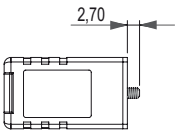
Casing: PA6 GF
LED: none
No. of poles: 2+ground (earth position H6)
Cable screw connection: Pg 7

Protection: IP 65 (if correctly assembled)
Gasket: flat
Colour: black
Ambient temperature: from -40 °C to +100 °C









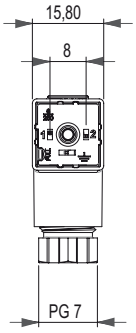
Code	Voltage
PCP.00.N000	Up to 250V

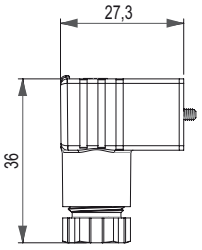
Plug-in Socket - DIN 43650 Type C (LED)

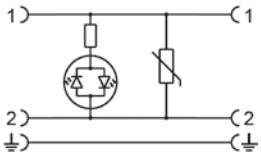
Nominal Voltage AC/DC: see order code
Nominal current: 4 A
Contact resistance: <= 5 mΩ
Wire cross section: max 1.0 mm²

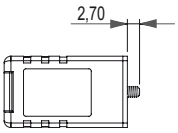
Casing: PA12
LED: yellow
No. of poles: 2+ground (earth position H6)
Cable screw connection: Pg 7

Protection: IP 65 (if correctly assembled)
Gasket: flat
Colour: transparent
Ambient temperature: from -20 °C to +80 °C









Code	Voltage
PCP.00.Y024	24V
PCP.00.Y115	115V
PCP.00.Y230	230V

PART No. INDEX

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