



Type 6128 can be combined with...



Type 2507

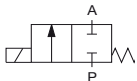
Cable Plug

2/2- or 3/2-way- Rocker Solenoid Valve

- Direct acting
- Hermetic isolation of fluid
- Vacuum to 10 bar¹⁾
- Orifice 2 or 3 mm
- Manual override as standard
- Sub-base and threaded port version
- 22 mm width per station

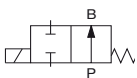
The 6128 analytical solenoid valve combines all state of the art features in a compact design. With high reliability, virtually no heat transfer between fluid and coil, low internal volume and Burkert's expertise in supplying customized solutions, these valves are a perfect fit even for the most demanding applications.

Circuit function A



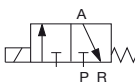
2/2-way valve,
direct acting,
normally closed

Circuit function B



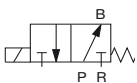
2/2-way valve,
direct acting,
normally open

Circuit function C



3/2-way valve,
direct acting, when
de-energised Port A
exhausted

Circuit function D



3/2-way valve,
direct acting, when de-
energised Port B pres-
surised

Technical data

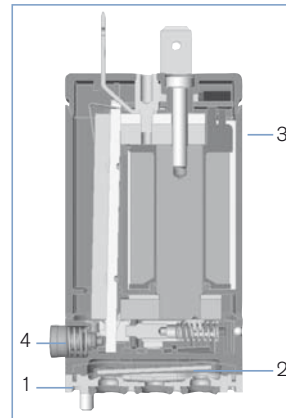
Body material G, NPT connection subbase connection	PEEK and PPS PPS
Seal material	EPDM or FKM
Medium	Resistant to neutral and slightly aggressive fluids (see chemical resistance chart); technical vacuum
Medium temperature	0 °C ... +70 °C
Ambient temperature	0 °C ... +60 °C
Viscosity	max. 21 mm ² /s
Port connection	Sub-base G 1/8 NPT 1/8 on request
Operating voltages	24 V DC, 230 V / 50 Hz Other voltages on request
Voltage tolerance	± 10%
Power consumption	5 W
Duty cycle	100 % continuous rating
Electrical connection	<ul style="list-style-type: none"> ▪ Acc. to Form B industrial standard for cable plug Type 2507 ▪ Rectangular plug ▪ 500mm leads on request
Manual override	Standard
Installation	As required, preferably with actuator upright
Protection class	IP40

¹⁾ Pressure values [bar]: Measured as overpressure to the atmospheric pressure

Response times

Circuit function	Orifice DN [mm]	Kv value water [m³/h]	QNn-value air [l/min]	Pressure range [bar]	Response times		Max. pressure difference [bar]
					opening [ms]	closing [ms]	
A	2	0,1	104	Vacu-10	18	8	10
	3	0,13	136	Vacu-3	18	8	3
B	2	0,1	104	Vacu-10	18	8	10
	3	0,13	136	Vacu-3	18	8	3
C	2	0,1	104	Vacu-10	18	8	10
	3	0,13	136	Vacu-3	18	8	3
D	2	0,1	104w	Vacu-10	18	8	10
	3	0,13	136	Vacu-3	18	8	3

- Kv value [m³/h]: Flow rate for water, Measured at +20 °C, 1 bar¹⁾ pressure difference
- Response times [ms]: Measured at valve outlet at 3 bar¹⁾ and +20°C according to ISO 12238.
 - Opening Pressure rise from 0...10%
 - Closing Pressure drop from 100...90%

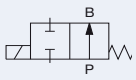
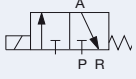
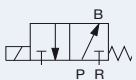


1. Valve body, PEEK / PPS
2. Diaphragm, EPDM or FKM
3. Coil body, PA
4. Manual override, PA

Ordering chart

Circuit function	Orifice DN [mm]	Body material	Seal material	Voltage/frequency [V/Hz]	Port connection	Electrical connection	Item no.
	2.0	PPS	FKM	24 V/DC	Sub-base	Rectangular plug	160 758
						Tag connector Form B	160 759
		PEEK/PPS	G 1/8	Rectangular plug	160 760		
				Tag connector Form B	160 761		
		PPS	EPDM	24 V/DC	Sub-base	Rectangular plug	160 762
						Tag connector Form B	160 763
	PEEK/PPS	G 1/8	Rectangular plug	160 764			
			Tag connector Form B	160 765			
	3.0	PPS	FKM	24 V/DC	Sub-base	Rectangular plug	160 766
						Tag connector Form B	160 767
		PEEK/PPS	G 1/8	Rectangular plug	160 768		
				Tag connector Form B	160 769		
PPS		EPDM	24 V/DC	Sub-base	Rectangular plug	160 770	
					Tag connector Form B	160 771	
PEEK/PPS	G 1/8	Rectangular plug	160 772				
		Tag connector Form B	160 773				
	2.0	PPS	FKM	24 V/DC	Sub-base	Rectangular plug	155 561
						Tag connector Form B	160 774
		PEEK/PPS	G 1/8	Rectangular plug	181 398		
				Tag connector Form B	160 775		
		PPS	EPDM	24 V/DC	Sub-base	Rectangular plug	160 776
						Tag connector Form B	160 777
	PEEK/PPS	G 1/8	Rectangular plug	160 778			
			Tag connector Form B	160 779			
	PPS	EPDM	24 V/DC	Sub-base	Rectangular plug	160 780	
					Tag connector Form B	160 781	
	PEEK/PPS	G 1/8	Rectangular plug	160 782			
			Tag connector Form B	160 783			

Ordering chart (continued)

Circuit function	Orifice DN [mm]	Body material	Seal Material	Voltage/frequency [V/Hz]	Port Connection	Electrical connection	Item no.
	2.0	PPS	EPDM	24 V/DC	Sub-base	Rectangular plug	160 782
		PEEK/PPS	EPDM	24 V/DC	G 1/8	Tag connector Form B	160 783
						Rectangular plug	160 784
		PEEK/PPS	EPDM	230 V/50 Hz	G 1/8	Tag connector Form B	160 785
						Tag connector Form B	160 786
		PPS	FKM	24 V/DC	Sub-base	Rectangular plug	160 787
	Tag connector Form B					160 788	
	3.0	PEEK/PPS	FKM	24 V/DC	G 1/8	Rectangular plug	160 789
						Tag connector Form B	160 790
		PEEK/PPS	FKM	230 V/50 Hz	G 1/8	Tag connector Form B	160 791
						Tag connector Form B	160 792
		PPS	EPDM	24 V/DC	Sub-base	Rectangular plug	160 792
Tag connector Form B						160 793	
PEEK/PPS	EPDM	24 V/DC	G 1/8	Rectangular plug	160 794		
				Tag connector Form B	160 795		
	2.0	PPS	FKM	24 V/DC	Sub-base	Rectangular plug	160 797
		PEEK/PPS	FKM	24 V/DC	G 1/8	Tag connector Form B	150 790
						Rectangular plug	160 798
		PEEK/PPS	FKM	230 V/50 Hz	G 1/8	Tag connector Form B	160 799
						Tag connector Form B	160 800
		PPS	EPDM	24 V/DC	Sub-base	Rectangular plug	160 801
	Tag connector Form B					150 791	
	PEEK/PPS	EPDM	24 V/DC	G 1/8	Rectangular plug	160 802	
					Tag connector Form B	160 803	
	3.0	PEEK/PPS	FKM	24 V/DC	Sub-base	Rectangular plug	160 804
						Tag connector Form B	160 805
		PEEK/PPS	FKM	230 V/50 Hz	G 1/8	Rectangular plug	160 806
Tag connector Form B						160 807	
PEEK/PPS		FKM	230 V/50 Hz	G 1/8	Tag connector Form B	160 808	
					Tag connector Form B	160 809	
PPS	EPDM	24 V/DC	Sub-base	Rectangular plug	160 809		
				Tag connector Form B	150 793		
	2.0	PPS	FKM	24 V/DC	Sub-base	Rectangular plug	160 813
		PEEK/PPS	FKM	24 V/DC	G 1/8	Tag connector Form B	150 080
						Rectangular plug	160 814
		PEEK/PPS	FKM	230 V/50 Hz	G 1/8	Tag connector Form B	160 815
						Tag connector Form B	160 816
		PPS	EPDM	24 V/DC	Sub-base	Rectangular plug	160 817
	Tag connector Form B					150 794	
	PEEK/PPS	EPDM	24 V/DC	G 1/8	Rectangular plug	160 818	
					Tag connector Form B	160 819	
	3.0	PEEK/PPS	FKM	24 V/DC	Sub-base	Rectangular plug	160 820
						Tag connector Form B	160 821
		PEEK/PPS	FKM	230 V/50 Hz	G 1/8	Rectangular plug	160 822
Tag connector Form B						160 823	
PEEK/PPS		FKM	230 V/50 Hz	G 1/8	Tag connector Form B	160 824	
					Tag connector Form B	160 825	
PPS	EPDM	24 V/DC	Sub-base	Rectangular plug	160 825		
				Tag connector Form B	150 796		
PEEK/PPS	EPDM	24 V/DC	G 1/8	Rectangular plug	160 826		
				Tag connector Form B	160 827		
PEEK/PPS	EPDM	230 V/50 Hz	G 1/8	Tag connector Form B	160 828		
				Tag connector Form B	160 828		

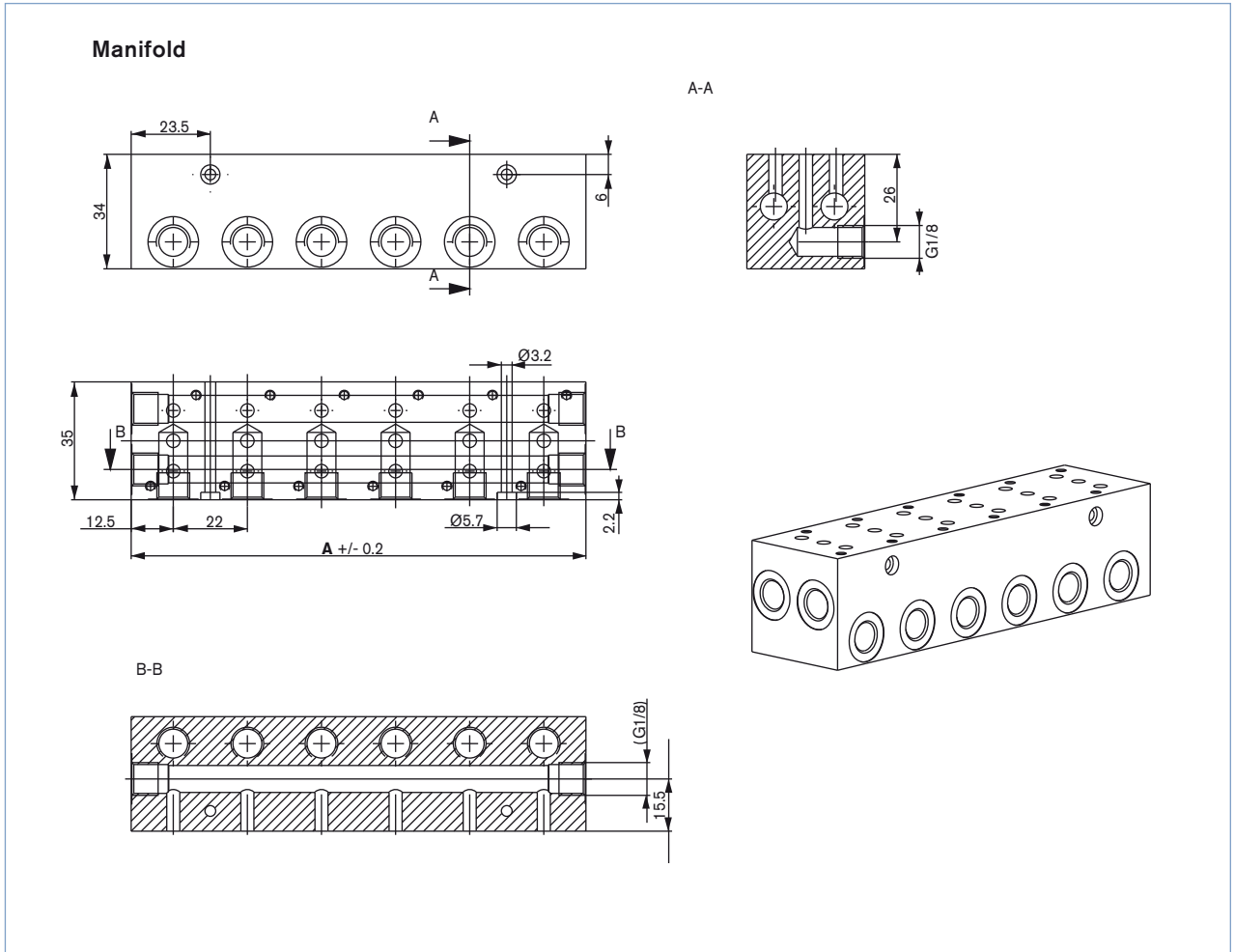
- Rectangular plug supplied **without** cable plug (see ordering chart for accessories).
- Manual override as standard.
- Other versions on request.

Ordering chart for manifold

Multiple Manifolds with individual service port (G1/8) and diverter function on 2 common channels (G1/8);
 Delivery without valves; Material: anodized aluminium


Manifold	A [mm]	Item no.
2-fold	47	669 571
3-fold	69	672 633
4-fold	91	669 572
5-fold	113	672 661
6-fold	135	669 570
10-fold	223	672 660

▪ Other versions on request.






Ordering chart for accessories

Cable Plug Type 2507 according to Industrial standard Form B

	Accessories	Version	Voltage	Item no.
	Cable Plug Type 2507	without Circuitry	0 ... 250 V AC/DC	423 845
		with LED	24 V AC/DC	423 849

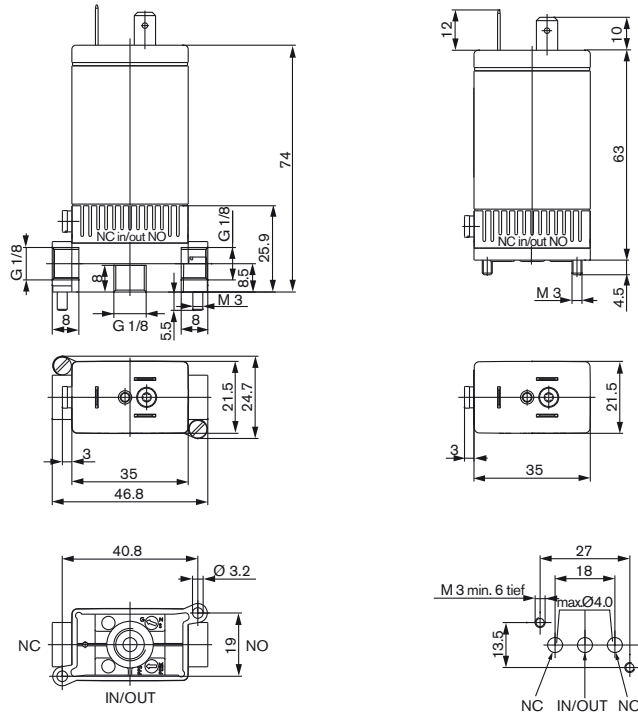
Rectangular plug Type 2505

	Accessories	Item no.
	with 3m cable	133 486
	with 300mm leads	644 068
	Single contact for individual mounting	644 067

Dimensions [mm]

Valves with tag connector Form B - Industrial standard

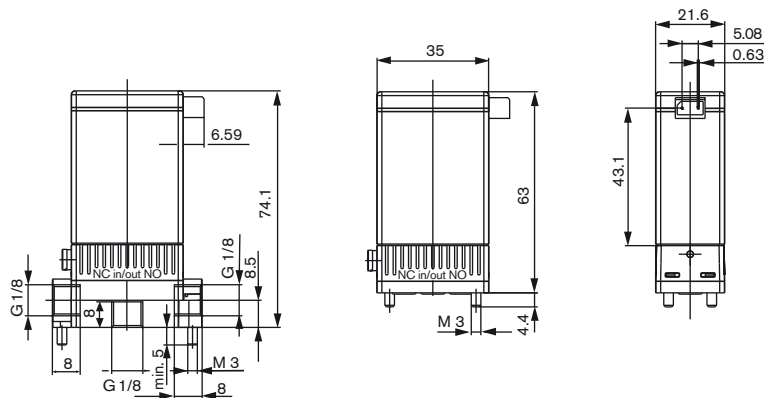
(The middle connection is not applicable in the case of the 2/2-way version)



Threaded port body G1/8 manifold mounting (2xM3 screws)

Flange interface for manifold mounting (2xM3 screws)

Valves with rectangular plug



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In case of special application conditions, please consult for advice.

Subject to alteration.
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