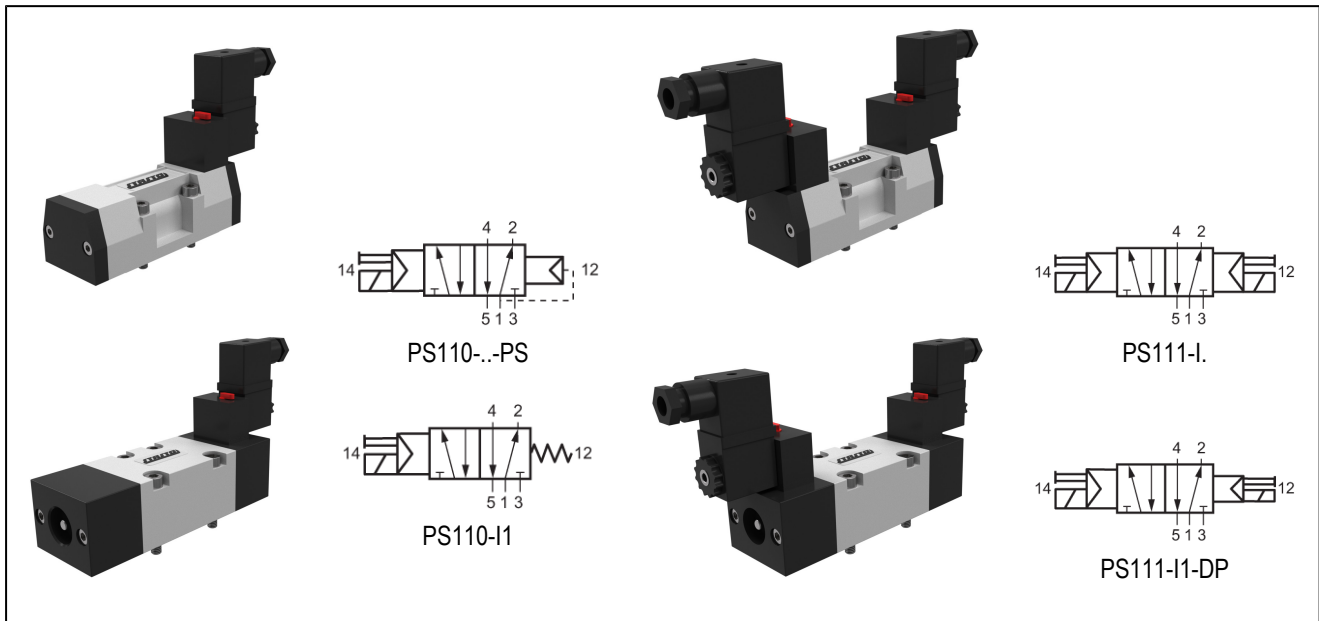


## 5/2-way solenoid valve pilot-operated, ISO1 and ISO2 series PS110, PS111

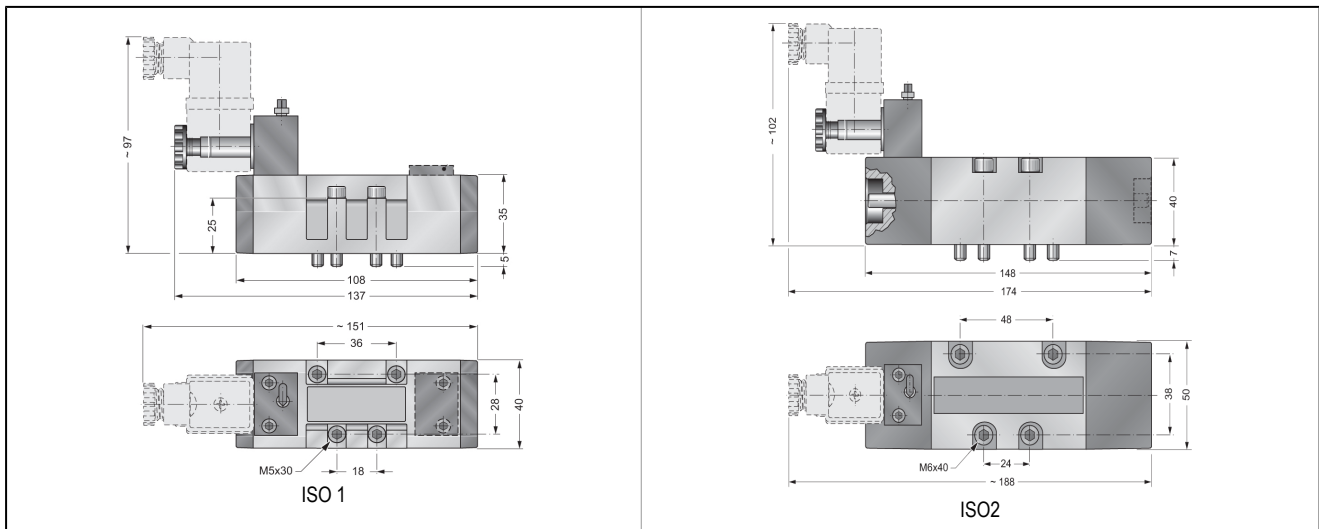


design	5/2-way solenoid valve pilot-operated, actuation electrical/internal control air, electrical/spring, electrical/electrical respectively electrical differential, manual emergency override, according to ISO 5599/1 size ISO1 and ISO2
materials	body aluminum, spool nickel-plated aluminum, seals NBR
type of fixing	on single valve base plate respectively valve block base plates
mounting position	any
medium	filtered and lubricated or non lubricated compressed air
medium temperature	0...+40°C
ambient temperature	-10...+50°C
<b>electrical data:</b>	
type of coil	type MS (standard coil), connector size 22mm type EPC (coil for ATEX areas with cable length of 3m) type SCN connector size 32mm
electrical connection	connector 22mm according to industry form B respectively 32mm acc. to EN175301-803-form A (see separate datasheet)
standard voltage	230V/50-60Hz, 24V/50-60Hz, 24VDC
special voltage	115V/50-60Hz, 12VDC, more on request
acceptable voltage tolerance	±10%
power consumption	see table "coil"
duty cycle	100% duty cycle (continuous operation)
protection class	IP65 according to EN 60529 by correctly mounted connector (protection against the penetration of dust and jet water)
<b>informations:</b>	
	technical documents for sub-base: see separate datasheet CAD files are available on the STASTO Store under <a href="http://www.stasto.eu">www.stasto.eu</a>

## type code

		<b>PS110 - I1 - PS - M S 22</b>
<b>design</b>	actuation electrical/internal control air respectively electrical/spring	<b>PS110</b>
	actuation electrical/electrical respectively electrical differential	<b>PS111</b>
<b>connection</b>	ISO1	<b>I1</b>
	ISO2	<b>I2</b>
<b>reset</b>	spring respectively electric (blank position)	
	internal control air	<b>PS</b>
	electrical differential	<b>DP</b>
<b>coil</b>	EPC	<b>E</b>
	MS	<b>M</b>
	SCN	<b>S</b>
<b>connector</b>	without connector (blank position)	
	standard	<b>S</b>
	with integrated LED and VDR	<b>L</b>
	with integrated LED, VDR and PVC-cable (2 m)	<b>V</b>
<b>voltage</b>	24VDC	<b>03</b>
	24V/50-60Hz	<b>04</b>
	12VDC	<b>05</b>
	110V/50-60Hz	<b>13</b>
	230V/50-60Hz	<b>22</b>
	115V/50-60Hz	<b>23</b>

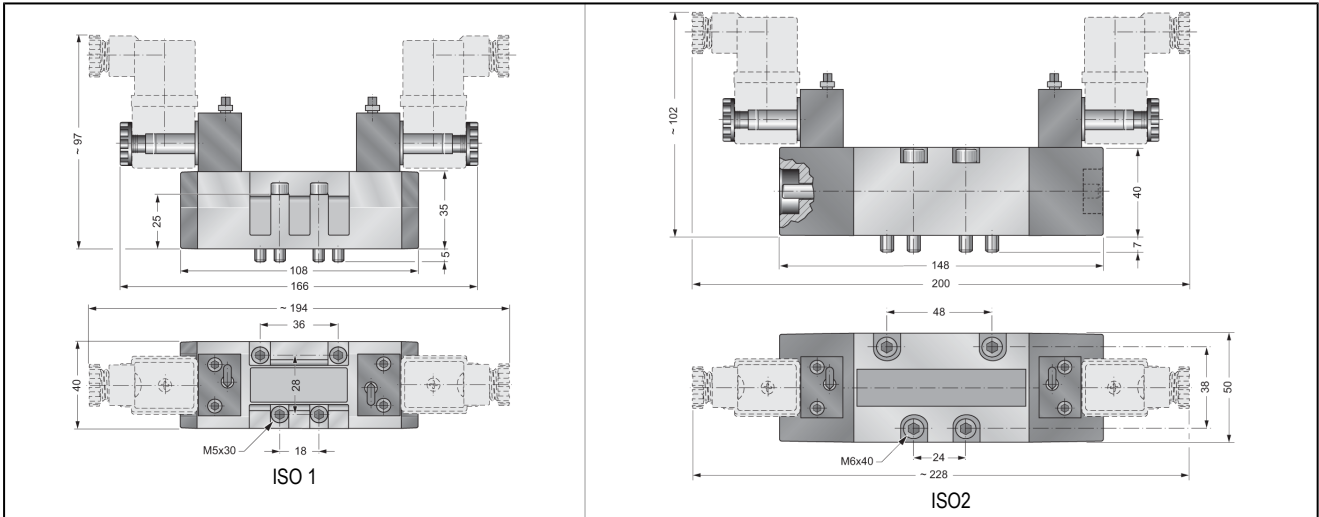
## PS110 - ..... actuation electrical/internal control air respectively electrical/spring



size	nominal diameter DN [mm]	pressure range [bar]	flow rate* [Nl/min]	actuation	nominal max. frequency [Hz]		switching time [ms]				type
					AC	DC	AC ON	AC from	DC ON	DC from	
ISO 1	8	2,5-10	1080	electrical/internal control air	16	13	18	33	21	44	PS110-I1-PS
ISO 1	8	2,5-10	1080	electrical/spring	-	-	-	-	-	-	PS110-I1
ISO 2	13	2,5-10	2200	electrical/internal control air	13	10	21	36	24	47	PS110-I2-PS

\*reference pressure 6bar, reference temperature 20°C

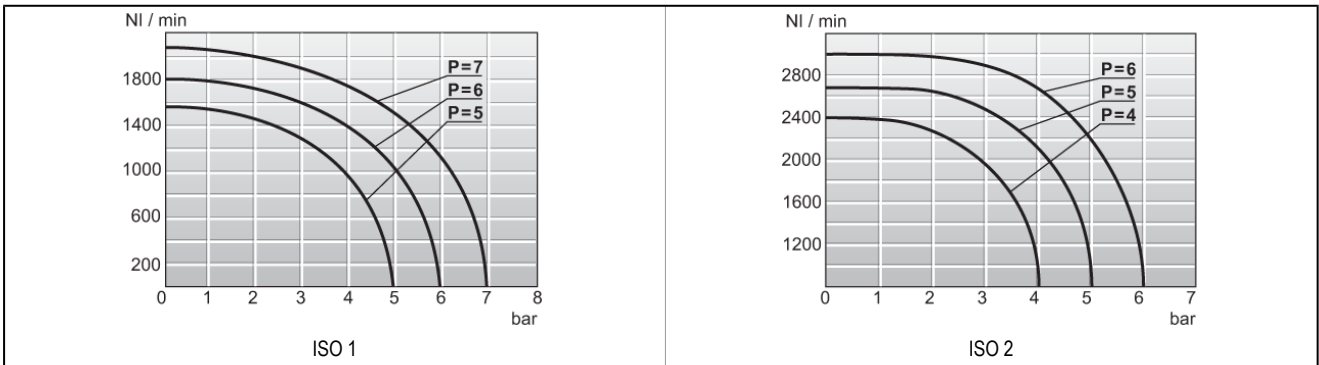
**PS111 - ..... actuation electrical/electrical respectively electrical differential**




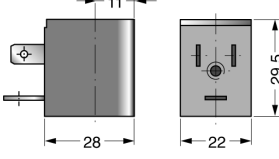

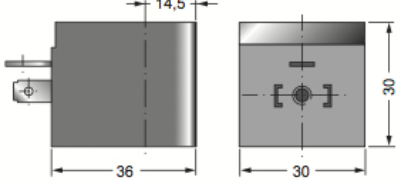
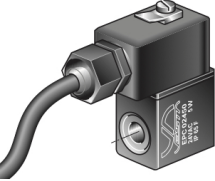
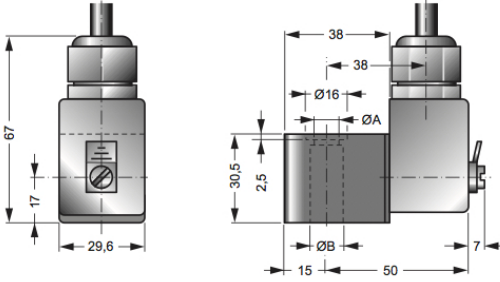
size	nominal diameter DN [mm]	pressure range [bar]	flow rate* [NI/min]	actuation	nominal max. frequency [Hz]		switching time [ms]				type
					AC	DC	AC ON	AC from	DC ON	DC from	
ISO 1	8	1,5-10	1080	electrical/electrical	27	21	11	11	14	14	PS111-I1
ISO 1	8	1,5-10	1080	electrical differential	25	19	11	12	14	15	PS111-I1-DP
ISO 2	13	1,5-10	2200	electrical/electrical	13	10	21	36	24	47	PS111-I2

\*reference pressure 6bar, reference temperature 20°C

**flow diagram**



coils

		voltage	protection class	power consumption at 20 °C	type
		12VDC	IP65	3W	MS01200
		24VDC		3W	MS02400
		24V/50-60Hz		5VA	MS02450
		115V/50-60Hz		5VA	MS11550
		230V/50-60Hz		5VA	MS23050
		12VDC	IP65	3W	SCN01200
		24VDC		3W	SCN02400
		24V/50-60Hz		5VA	SCN02450
		110V/50-60Hz		5VA	SCN11050
		220V/50-60Hz		5VA	SCN22050
		24VDC	Ex II 2G Ex mb IIC T5 Gb	3,0W	EPC02400
		24V/50-60Hz		3,2W	EPC02450
		110V/50-60Hz	Ex II 2D Ex mb tb IIIC T95°C IP66 Db	3,2W	EPC11050
		230V/50-60Hz		3,2W	EPC23050

illustrations are non-binding  
 all designs, configurations, measurements and materials are subject to change without prior notice