



Type 6213 HP can be combined with...



**Type 2508**

Cable plug



**Type 1078**

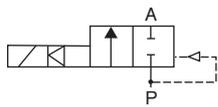
Timer unit  
(only for AC)

The Type 6213 HP is a 2/2-way normally closed solenoid valve with a forced coupled diaphragm system.

#### Note

The differences between standard version 6213 and Type 6213 HP - high performance valve are the higher spring forces combined with high power coils. The valve switches without differential pressure from 0 bar with gases and liquids.

#### Circuit function A



Servo-assisted 2/2-way valve, normally closed, with 2-way pilot control

## 2/2-way Solenoid Valve for liquids and gases, 0 - 10 bar, G 1/2 - G 1

- Switches without differential pressure
- For gases and liquids
- Forced coupled diaphragm system
- Push-over coil with high performance
- Anti-waterhammer, low noise
- High flow rate ( $K_V$  value)

Technical data	
<b>Orifice</b>	DN 13 - 20
<b>Body material</b>	Brass acc. to DIN EN 50930-6, (stainless steel on request)
<b>Coil material</b>	Epoxy
<b>Coil insulation class</b>	H
<b>Inner part of valve</b>	Stainless steel and PPS
<b>Seal material</b>	NBR (FKM and EPDM on request)
<b>Media</b>	neutral liquids, water, hydraulic oil, oil and fats without additives
<b>Media temperature</b>	
NBR	-10 to +80°C
FKM	0 to +120°C
EPDM	-30 to +120°C
<b>Ambient temperature</b>	max. +55°C
<b>Voltages</b>	24 V DC 24/230 V 50-60 Hz (other voltages on request)
<b>Voltage tolerance</b>	±10%
<b>Duty cycle</b>	100% continuous rating
<b>Electrical connection</b>	Tag connector acc. to DIN EN 175301-803 Form A (previously DIN 43650) for cable plug Type 2508 (see Ordering chart for accessory)
<b>Protection class</b>	IP 65 with cable plug
<b>Installation</b>	As required, preferably with actuator upright
<b>Response times <sup>1)</sup></b>	150 - 1000 ms (depending on orifice and differential pressure)

<sup>1)</sup> Measured at valve outlet at 6 bar and +20°C

Opening pressure build-up 0 to 90%

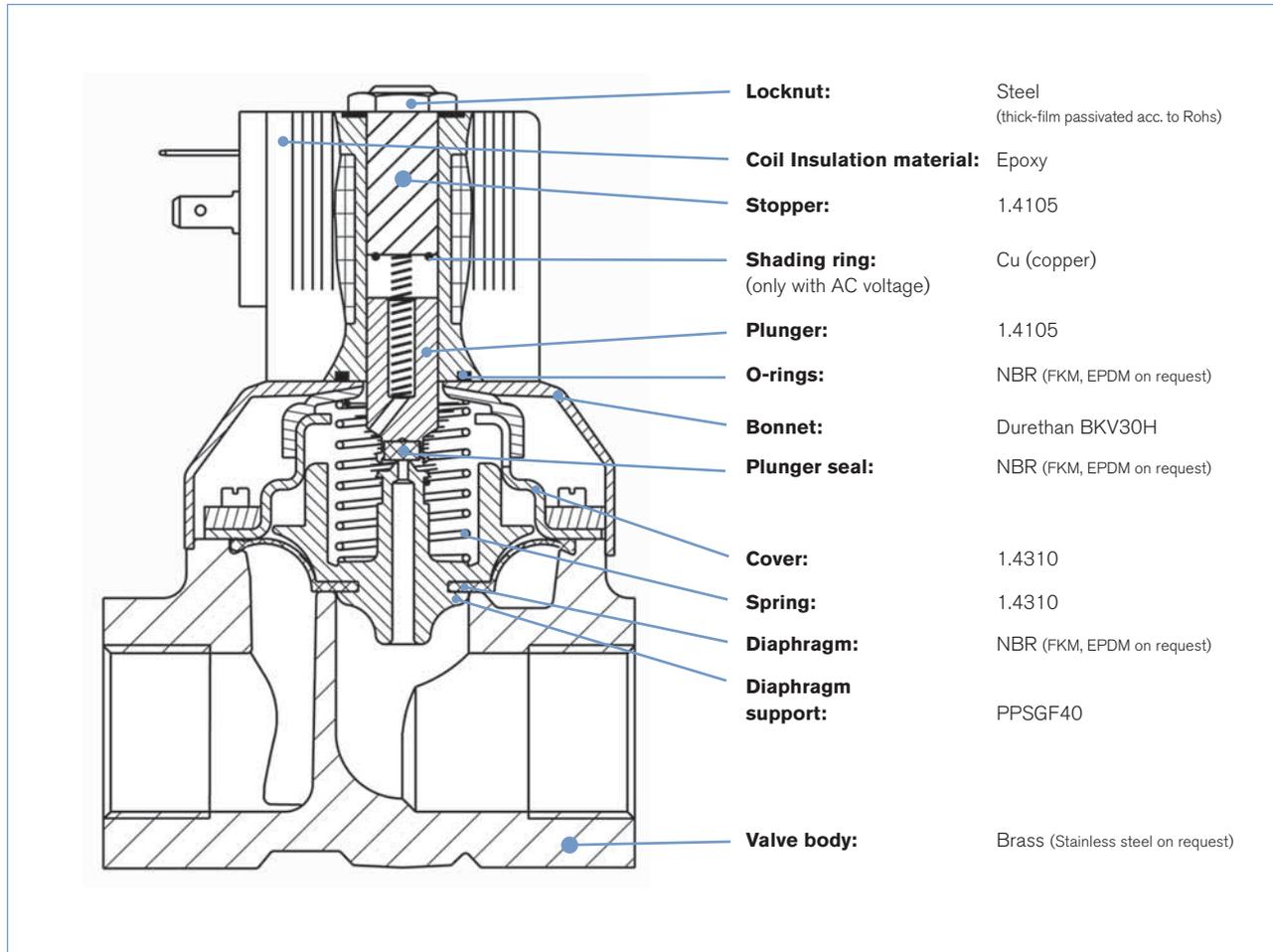
Closing pressure decay 100 to 10%

## Technical data (cont)

Power consumption				
Coil size DN	Inrush AC [VA]	Hold (hot coil) <sup>1)</sup>		Weight [kg]
		AC [VA/W]	DC [W]	
13	125	37/16	16 (17)	0.45
20	140	37/16	16 (17)	1.38

<sup>1)</sup> Values in brackets at coil temperature 20 °C

## Materials



## Ordering chart for valves (other versions on request)

### Valves with brass body, without cable plug

Circuit function	Port connection	Orifice [mm]	Kv value water [m <sup>3</sup> /h] <sup>1)</sup>	Pressure range [bar] <sup>2)</sup>	Item no. per voltage/frequency [V/Hz]		
					024/DC	024/50-60	230/50-60
<b>A</b> 2/2-way valve NC 	<b>Brass body, NBR diaphragm</b>						
	G 1/2	13	3.6	0 - 10	178 900	178 899	178 902
	G 3/4	13	3.6	0 - 10	178 904	178 903	178 905
	G 3/4	20	8.3	0 - 10	178 907	178 906	178 908
	G 1	20	8.3	0 - 10	178 910	178 909	178 911

<sup>1)</sup> Measured at +20°C, 1 bar <sup>2)</sup> pressure at valve inlet and free outlet, <sup>2)</sup> Pressure data [bar]: Overpressure with respect to atmospheric pressure.

**Please note** that the cable plug has to be ordered separately, see Ordering chart for accessory below and separate datasheet, Type 2508

### Further versions on request



**Port connection**  
NPT, Rc thread



**Voltage**  
Non-standard voltages

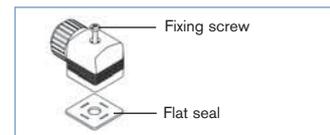


**Material**  
Seal FKM and EPDM  
Body material stainless steel

## Ordering chart for accessory

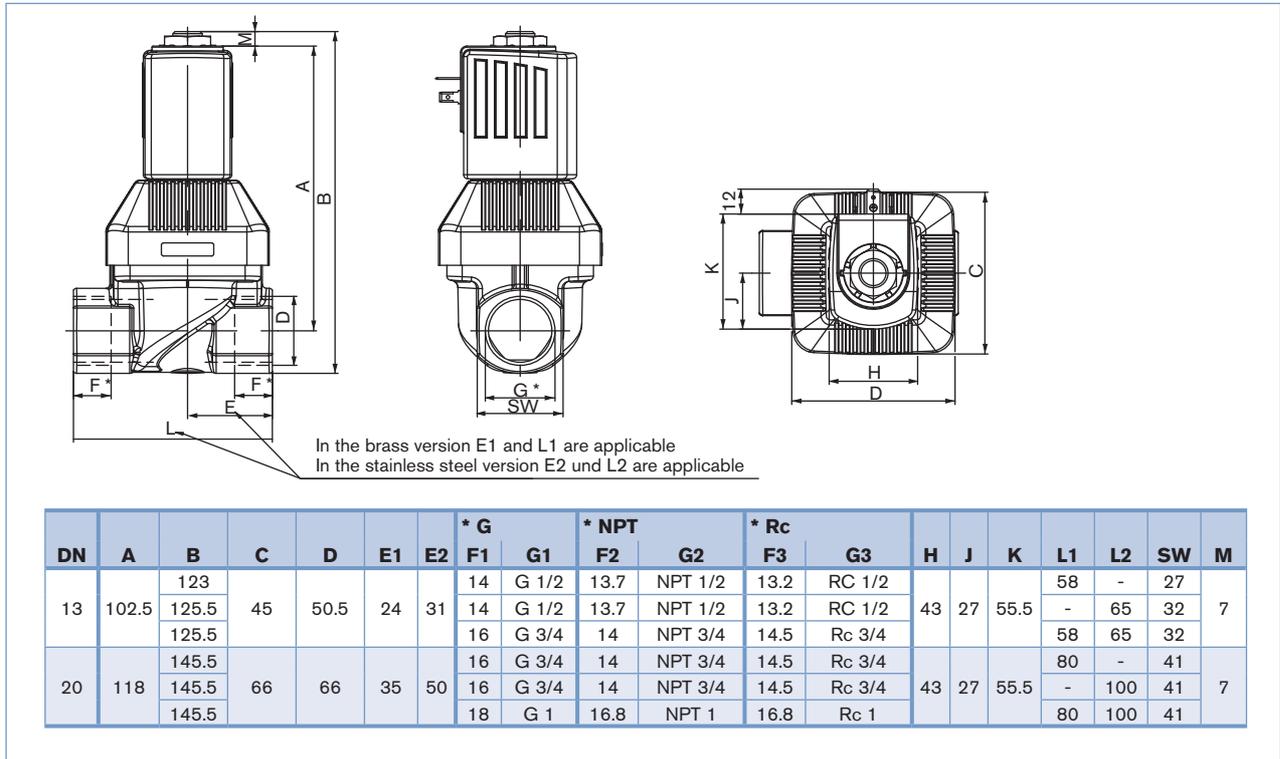
### Cable plug Type 2508 according to DIN EN 175301-803 Form A

	Circuitry	Voltage / frequency	Item no.
	None (standard)	0 - 250 V AC/DC	008 376
	further versions see datasheet Type 2508		



The delivery of a cable plug includes the flat seal and the fixing screw. For other cable plug versions acc. to DIN EN 175301-803 Form A (previously DIN 43650), see Accessories or separate datasheet Type 2508.

Dimensions [mm]



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