



UKŁADY HYDRAULICZNE



HYDRAULICKÉ SYSTÉMY

41 150/122 ED

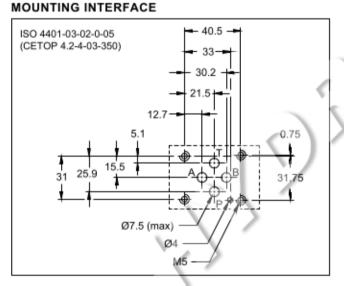


SOLENOID OPERATED DIRECTIONAL CONTROL VALVE

SUBPLATE MOUNTING ISO 4401-03

p max 350 bar Q max 100 l/min

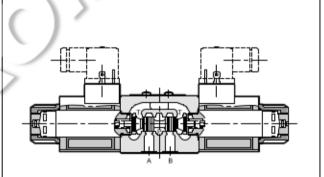
OPERATING PRINCIPLE



PERFORMANCES

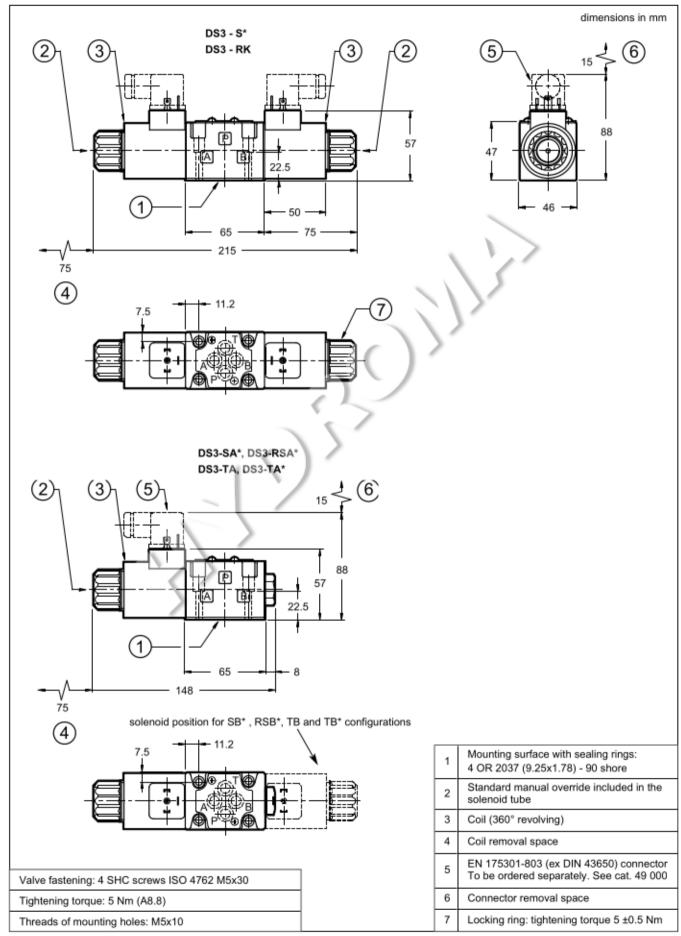
(obtained with mineral oil with viscosity of 36 cSt at 50°C)

Maximum operating pressure:			СС	CA
- P - A - B ports - T port		bar	350 210 160	
Maximum flowrate		l/min	100	
Pressure drops ∆p-Q		see point 4		
Operating limits		see point 6		
Electrical features		see point 7		
Electrical connections		see point 11		
Ambient temperature range		°C	-20 / +50	
Fluid temperature range		°C	-20 / +80	
Fluid viscosity range		cSt	10 ÷ 400	
Fluid contamination degree		according to ISO 4406:1999 class 20/18/15		
Recommended viscosity		cSt	25	
Mass: single solenoid va double solenoid v		kg	1,5 2	1,4 2

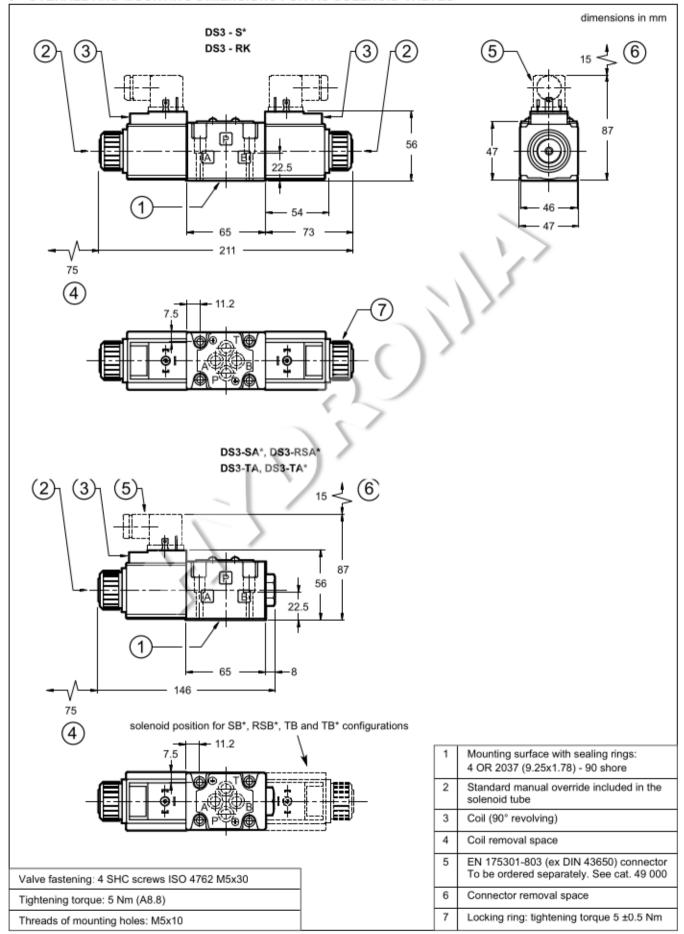


- Solenoid actuated directional control valve, direct operated, with mounting surface according to ISO 4401-03 standards.
- The valve is supplied with 3- or 4-port design, with 2 or 3 positions with a wide range of spools.
- The valve body is made with high strength iron castings provided with wide internal paths in order to minimize
 - the flow pressure drop. Wet armature solenoids with interchangeable coils are used (for further information on solenoids see point 7).
 - The valve is available with DC or AC solenoids. DC solenoids can also be fed with AC power supply, by using connectors with a built-in rectifier bridge (see points 6.4 and 7.2).
 - The DC valve is also available in a soft-shifting version (see point 14).
 - The DC valve is also available with zinc-nickel coating that ensures a salt spray resistance up to 600 hours.
 - It is available a version with UL certified 24V DC coils for Canada and United States. (see point 15).
 - Alternative to the standard manual override there are lever, push, knob, push and twist, boot and mechanical detent devices.

8 - OVERALL AND MOUNTING DIMENSIONS FOR DC SOLENOID VALVES

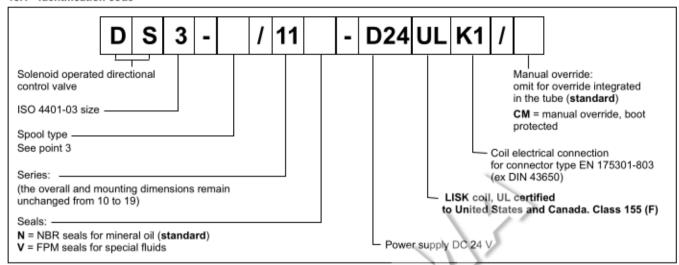


9 - OVERALL AND MOUNTING DIMENSIONS FOR AC SOLENOID VALVES



15 - VERSION WITH UL CERTIFIED COILS

15.1 - Identification code



15.2 - UL file number

The UL database website provides informations about the certification, by entering the code MH29222 in the 'UL file number' field.

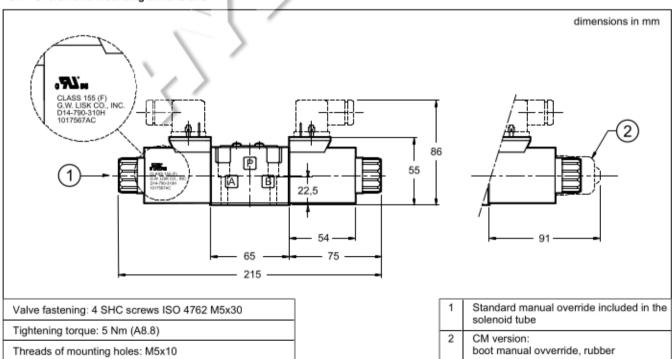
15.3 - Electrical features

(values ± 10%)

	Nominal voltage [V]	Resistance at 20°C [Ω]	Current consumpt. [A]	Power consumpt [W]	Coil code
D24UL K1	24	19.2	1.25	30	1903341

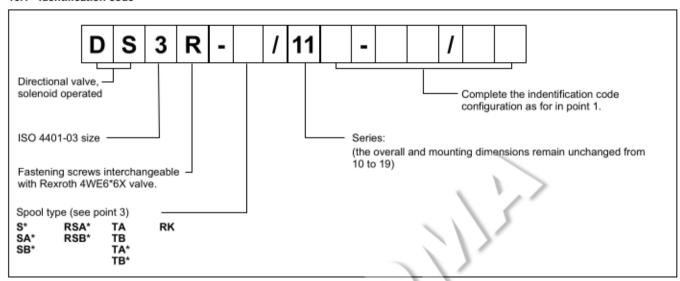
NOTE: Valves with UL coils must be ordered complete. The UL coils are not interchangeable with those of standard valves.

15.4 - Overall and mounting dimensions

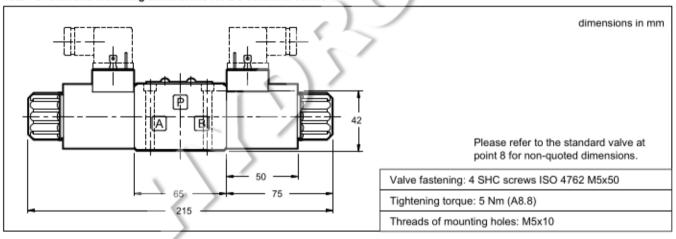


16 - VERSION WITH FIXING INTERCHANGEABLE WITH 4WE6*6X REXROTH

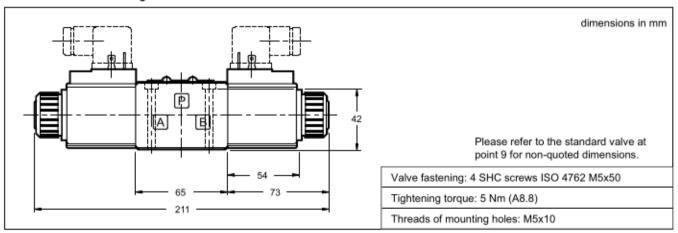
16.1 - Identification code



16.2 - Overall and mounting dimensions for DC solenoid valves



16.3 - Overall and mounting dimensions for AC solenoid valves



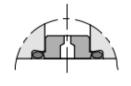
18 - PORT RESTRICTORS

Port restrictors are recommended if flow variations which exceed the valve performance limit during the switching processes occur, or for circuit dampening.

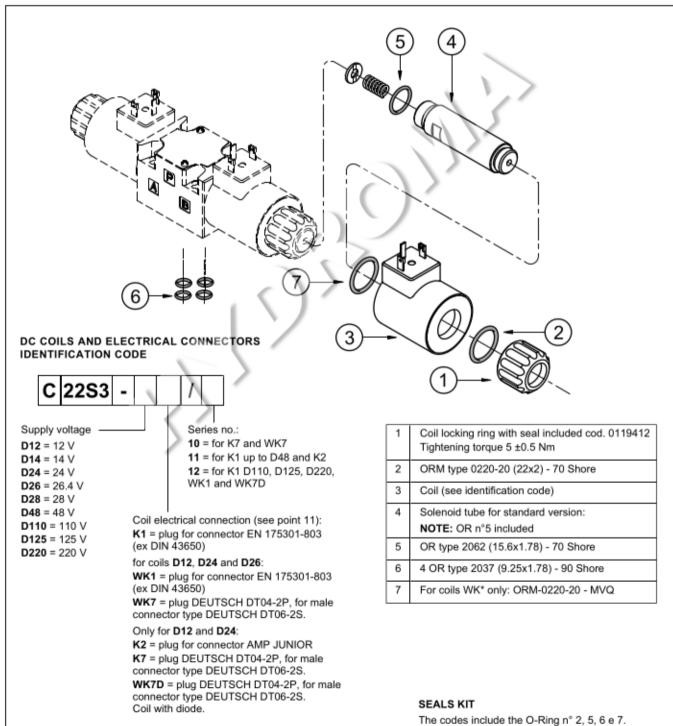
Port restrictor plugs can be ordered separately with the part numbers shown at left.

Ø (mm)	part number	
blank	0144162	
0.6	0144163	
0.8	0144033	
1	0144034	

Ø (mm)	part number
1.2	0144035
1.5	0144036
1.8	0144164
2	0144165



19 - SPARE PARTS FOR DC SOLENOID VALVE



Cod. 1985406

Cod. 1985410

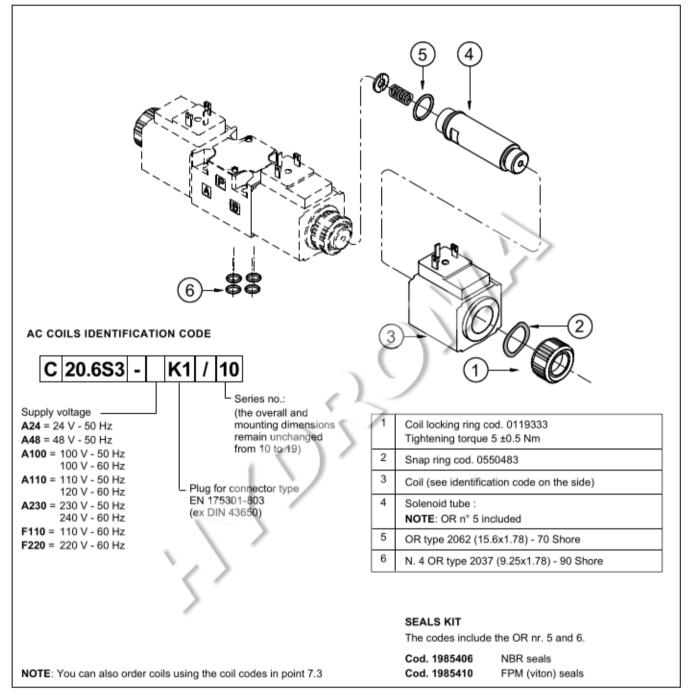
NBR seals

FPM (viton) seals

in points 7.2 and 17.3.

NOTE: You can also order coils using the coil codes

20 - SPARE PARTS FOR AC SOLENOID VALVE



21 - SUBPLATES

(see catalogue 51 000)

Type PMMD-Al3G with rear ports 3/8" BSP

Type PMMD-AL3G with side ports 3/8" BSP