

Ordering codes (types 4WRZ and 4WRH; sizes 10 to 32 subplate mounting; size 52 flange connection)

4WR_						7X		/							
Hydraulic actuation	= H														
Electro-hydraulic actuation	= Z														
Type WRZ:															
For external electronics	= no code														
With integrated electronics	= E														
Size 10	= 10														
Size 16	= 16														
Size 25	= 25														
Size 32	= 32														
Size 52	= 52														
For control spool symbols , see page 3															
Rated flow in l/min at valve pressure differential $\Delta p = 10$ bar															
Size 10															
25 l/min	= 25														
50 l/min	= 50														
85 l/min	= 85														
Size 16															
100 l/min	= 100														
125 l/min	= 125														
150 l/min	= 150														
180 l/min	= 180														
Size 25															
220 l/min	= 220														
325 l/min	= 325														
Size 32															
360 l/min	= 360														
520 l/min	= 520														
Size 52															
1000 l/min	= 1000														
Component series 70 to 79 = 7X (70 to 79: Unchanged installation and connection dimensions)															
For subplate mounting = no code															
For flange connection (size 52 only) = F															
Pilot control valve size 6															
Proportional solenoid with detachable coil = 6E ¹⁾															
Supply voltage															
Direct voltage 24 V = G24 ¹⁾															
Without manual override = no code															
With concealed manual override = N9 ^{1, 2)}															
Without special type of protection = no code															
Seawater-resistant = J ³⁾															
Pilot oil supply and return															
External pilot oil supply, external pilot oil return = no code															
Internal pilot oil supply, external pilot oil return = E															
Internal pilot oil supply, internal pilot oil return = ET															
External pilot oil supply, internal pilot oil return = T															
(only possible without code for size 52 and type 4WRH)															

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			M =	NBR seals
			V =	FKM seals
			no code =	Without pressure reducing valve
			D3 ¹⁾ =	With pressure reducing valve ZDR 6 DP0-4X/40YM-W80 (not adjustable)
		A1 =		Electronics interface Command value ±10 V
		F1 =		Command value 4 to 20 mA
		no code =		For types WRZ and WRH
		K4 ^{1, 4)} =		Electrical connection type WRZ: Without mating connector, with connector according to DIN EN 175301-803 Mating connector, separate order, see page 27
		K31 ^{1, 4)} =		Type WRZE: Without mating connector, with connector according to DIN EN 175201-804 Mating connector, separate order, see page 27

1) Not applicable with types 4WRH

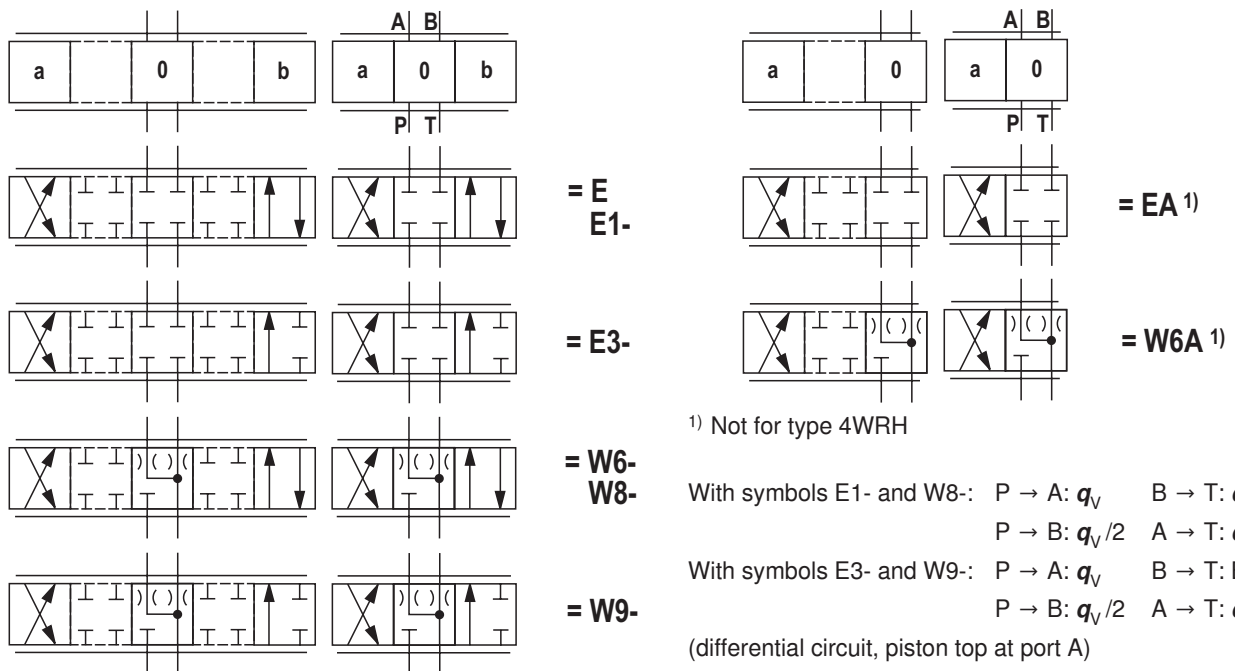
2) For version "J" → "N" instead of "N9"

3) For information on the seawater-resistant version, see data sheet 29115-M

4) For version "J" = seawater-resistant **only** "K31"

Electric special types of protection available on request.

Control spool symbols



1) Not for type 4WRH

With symbols E1- and W8-: P → A: q_V B → T: $q_V/2$
 P → B: $q_V/2$ A → T: q_V

With symbols E3- and W9-: P → A: q_V B → T: Blocked
 P → B: $q_V/2$ A → T: q_V

(differential circuit, piston top at port A)

Notice: With symbols W6-, W8-, W9-, W6A, there is a connection from A → T and B → T with less than 2% of the respective nominal cross-section in switching position "0".