

Ordering code

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	
	WE	6		6X	/		E					/									*

01	3 main ports	3
	4 main ports	4
02	Directional valve	WE
03	Size 6	6
04	Symbols; possible version see page 9	
05	Component series 60 ... 69 (60 ... 69: unchanged installation and connection dimensions)	6X
06	With spring return	no code
	Without spring return	O
	Without spring return with detent	OF
07	High-power wet-pin solenoid with detachable coil	E

Electrical voltages

08	For ordering code see page 5 ... 8	e.g. G24
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Manual override ¹⁾ (see page 20)

09	Without manual override	no code
	With manual override	N ³⁾
	With manual override "mushroom button" (small)	N2 ³⁾
	With lockable manual override "mushroom button" (small)	N4 ^{2; 3)}
	With lockable manual override "mushroom button" (large)	N5 ^{2; 3; 4)}
	With manual override "mushroom button" (large), not lockable	N6 ^{3; 4)}
	With lockable manual override "nut"	N7 ^{2; 3)}
	With concealed manual override (standard)	N9

Corrosion resistance (outside) (for the availability, refer to the following table)

10	None (valve housing primed)	no code
	Improved corrosion protection (240 h salt spray test according to EN ISO 9227)	J3
	High corrosion protection (720 h salt spray test according to EN ISO 9227)	J5

Electrical connection

11	Individual connection or central connection	
	For ordering code see page 5 ... 8	e.g. K4

¹⁾ Operation of the manual override only possible up to 50 bar [725 psi] tank pressure. Avoid damage to the bore of the manual override. (Special tool for the operation, separate order, material no. **R900024943**). If the manual override is blocked, operation of the opposite solenoid is to be excluded. The manual override cannot be allocated a safety function.

²⁾ With tank pressures higher than 50 bar, it is not guaranteed that the valve remains in the position into which it was switched by the lockable manual override ("N4", "N5", "N7").

³⁾ Only direct voltage; not for version "= UR"

⁴⁾ Only direct voltage; not for version "SO407"

Available corrosion resistance

	Electrical connection						Manual override		
	"K4"		"DL"		"K40", "C4"		Without	"N"	
	"G12"	"G24"	"G24"	"G48"	"G12"	"G24"			"G26"
"J3"	✓	✓	✓	✓	-	-	-	✓	✓
"J5"	-	-	-	-	✓	✓	✓	✓	✓

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Spool position monitoring (For more information, see data sheet 24830)

12	Without position switch	no code
	– Inductive position switch type QM (valves with 2 spool positions)	
	Monitored spool position "a"	QMAG24
	Monitored spool position "b"	QMBG24
	Monitored rest position	QM0G24
	– Inductive position switch type QR (valves with 3 spool positions)	
	Monitored rest position	QR0G24S
	Monitored spool position "a" and "b"	QRABG24E
	– Inductive position switch type QS	
	Monitored spool position "a"	QSAG24W
	Monitored spool position "b"	QSBG24W
	Monitored spool position "0"	QS0G24W
	Monitored spool position "0" and "a"	QS0AG24W
	Monitored spool position "0" and "b"	QS0BG24W
	Monitored spool position "a" and "b"	QSABG24W

Switching time increase

13	Without switching time increase	no code
	With switching time increase (only with direct voltage and only with version "N9" and symbol "73")	A12

Throttle insert

14	Without throttle insert (standard)	no code								
	With throttle insert (when the admissible valve performance limit is exceeded, refer to page 15 ... 17):									
	Port	Throttle Ø in mm [inch]								
		0.6 [0.024]	0.8 [0.031]	1.0 [0.039]	1.2 [0.047]	1.5 [0.059]	2.0 [0.079]	2.5 [0.098]	3.0 [0.120]	4.0 [0.160]
	P	= B06	= B08	= B10	= B12	= B15	= B20	= B25	= B30	= B40
	A	= H06	= H08	= H10	= H12	= H15	= H20	= H25	= H30	= H40
	B	= R06	= R08	= R10	= R12	= R15	= R20	= R25	= R30	= R40
	A and B	= N06	= N08	= N10	= N12	= N15	= N20	= N25	= N30	= N40
	T	= X06	= X08	= X10	= X12	= X15	= X20	= X25	= X30	= X40

Clamping length

15	42 mm [1.65 inch] (standard)	no code
	22 mm [0.87 inch]	Z

Control spool play

16	Standard (recommended)	no code
	Minimum (selection for reduced leakage values; higher oil cleanliness required)	T06
	Increased (selection with high temperature difference hydraulic fluid/environment; leads to higher internal leakage values)	T12

Seal material (observe compatibility of seals with hydraulic fluid used, see page 12)

17	NBR seals	no code
	FKM seals	V
	Recommended for operation with HFC hydraulic fluids together with high temperatures	MH
	Low-temperature version (only with version "Without manual override")	MT

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18	Standard	no code
	Solenoid coil as approved component with UR marking according to UL 906, edition 1982 ⁵⁾	= UR
	Approval according to CSA C22.2 No. 139-1982	= CSA
	Porting pattern according to ANSI B93.9 ⁶⁾	= AN
19	Without locating hole	no code
	With locating hole and locking pin ISO 8752-3x8-St	/62
20	Standard	no code
	With reduced electric power consumption (only versions "G24" as well as "K4", "DL" and "DKL")	SO407
21	Further details in the plain text	*

⁵⁾ Only for version "K4" with "G12", "G24" and "W110"

⁶⁾ With power supply to

- ▶ solenoid "a", channel P is connected to a
- ▶ solenoid "b", channel P is connected to B