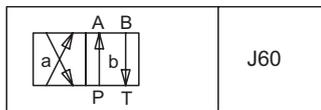


ELECTRICAL CONTROL

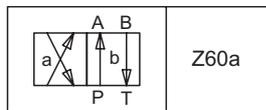
Construction	Solenoid, wet pin push type, pressure tight	Voltage tolerance	±10% of nominal voltage
Standard-nominal voltage	$U_N = 12$ VDC $U_N = 24$ VDC $U_N = 110$ VAC* $U_N = 115$ VAC* $U_N = 230$ VAC* AC = 50 to 60 Hz * Rectifier integrated in the plug, other nominal voltages and nominal performances on request.	Protection class	IP 65 to EN 60 529
		Relative duty factor	100% DF (see data sheet 1.1-430)
		Switching cycles	15'000/h
		Operating life	10^7 (number of switching cycles, theoretically)
		Connection/Power supply	Over device plug connection to ISO 4400/ DIN 43650, (2P+E), other connections on request.
		Solenoid versions:	SIN35V (data sheet 1.1-105)

TYPE LIST / DESIGNATION OF SYMBOLS

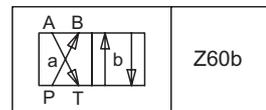
4/2-way valve impulse



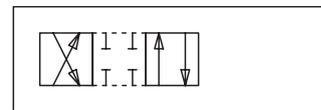
4/2-way valve with spring reset operation A-side



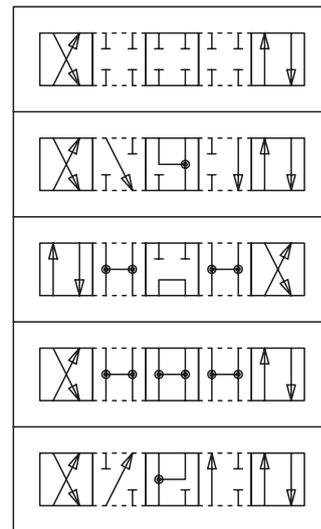
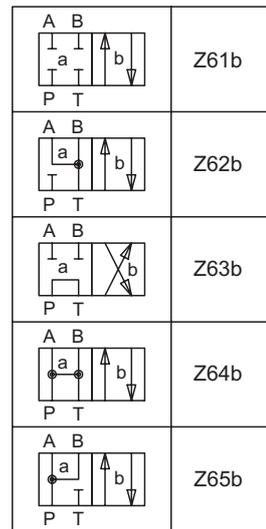
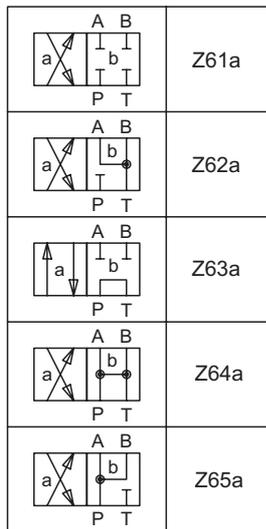
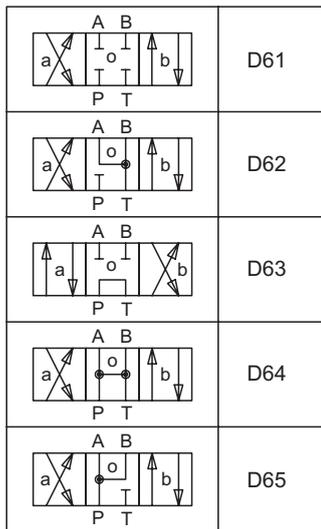
operation B-side

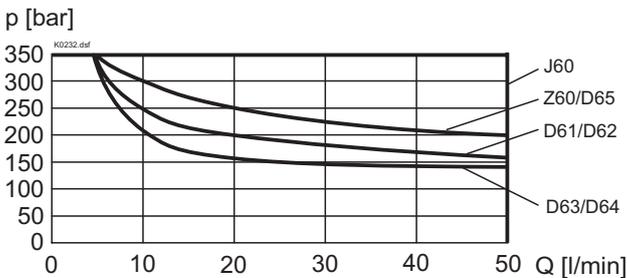
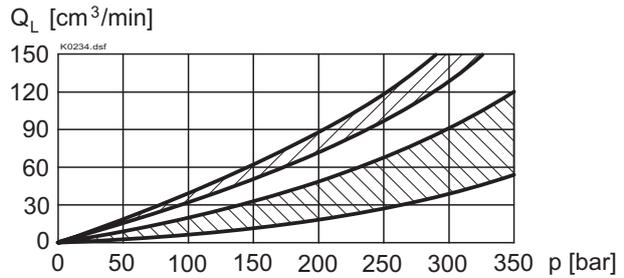


Transitional functions

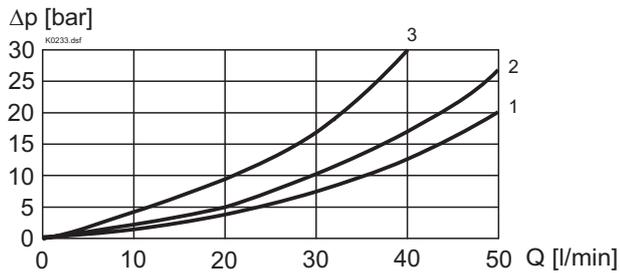


4/3-way valve spring centered


CHARACTERISTICS Oilviscosity $\nu = 30$ mm²/s

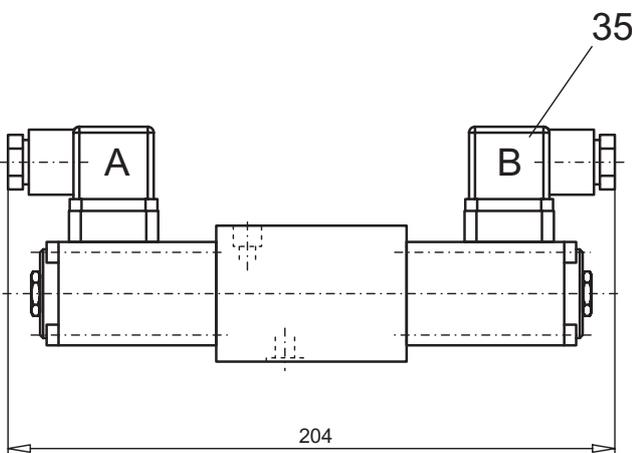
 $p = f(Q)$ Performance limits with standard voltage -10%

 $Q_L = f(p)$ Leakage volume flow characteristics per control edge


 Leakage envelope Nr.3
 Leakage envelope, the others envelopes

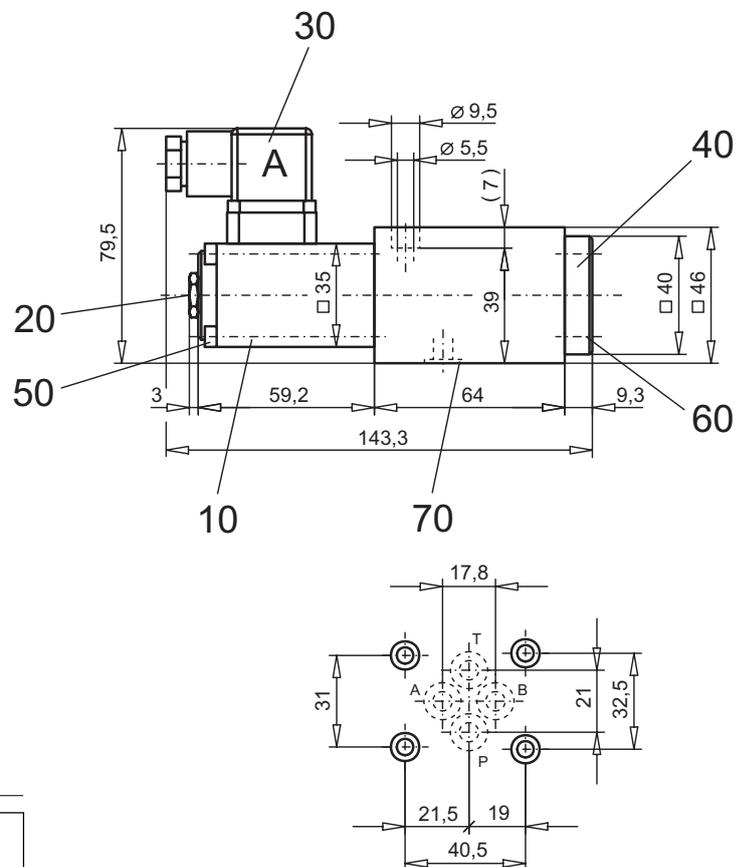
$\Delta p = f(Q)$ Pressure drop volume flow characteristics


Pressure drop Curve no.	Volume flow direction				
	P - A	P - B	P - T	A - T	B - T
Z60/J60	2	2	-	2	2
D61/Z61	2	2	-	2	2
D62/Z62	2	2	-	2	2
D63/Z63	2	2	3	2	2
D64/Z64	1	1	-	1	1
D65/Z65	1	1	-	2	2

DIMENSIONS

 4/3-way valve (spring centred)
 4/2-way valve (impulse)


4/2-way valve (spring reset)


PARTS LIST

Position	Article	Description
10	260.4 ...	Solenoid SIN35V
20	253.8000	Plug with integr. manual override manual override HB4,5
30	219.2001	Electric plug A (grey)
35	219.2002	Electric plug B (black)
40	060.2208	Cover
50	246.1161	Socket head cap screw M4x60 DIN 912
60	246.1111	Socket head cap screw M4x10 DIN 912
70	160.2093	O-ring ID 9,25x1,78

ACCESSORIES

Threaded connecting plates, Multi-flange subplates and Longitudinal stacking system see Reg. 2.9

Technical explanation see data sheet 1.0-100E