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HYDRAULICKÉ SYSTÉMY

UKŁADY HYDRAULICZNE

ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

Technical drawing of a solenoid valve in its energized state. The drawing shows a cross-section of the valve assembly. Key dimensions are labeled: 11,5 (width of the valve body), 10 (width of the solenoid coil), 6,8 (diameter of the valve seat), and 15,5 (diameter of the solenoid coil). The text "Solenoid energised (s=0)" is written below the drawing. The drawing also shows the internal components of the valve, including the valve seat and the solenoid coil.

CHARACTERISTICS

Static pressure tightness	350 bar (seal diameter of valve max. 29 mm) With seal diameter of valve = 32 mm: Static pressure tightness = 315 bar
Coil winding insulation class	F
Connection/Power supply	Over device plug connection to ISO 4400/DIN 43650, (2P+E), other connections on request
Protection class EN 60529	IP65
Relative duty factor	100%
Reference temperature	50°C
Seal	Viton, other on request
Fluid	Mineral oil, other fluid on request
Switching cycles	15'000/h
Mounting screws	4xM6 (Quality 8.8)
Housing	Zinc coated steel housing, other surface treatments on request.

		DC	AC
Totale stroke	(mm)	8,5	8,5
Working stroke	(mm)	4	4
Nominal power	(W)	40	
	(VA)		46
Armature weight	(kg)	0,102	0,102
Solenoid weight	(kg)	1,90	1,90
Voltage range	(VDC)	10-250	
	(VAC)		50-250*

* For AC voltages below 50 VAC DC solenoids plus rectifier plugs are available.

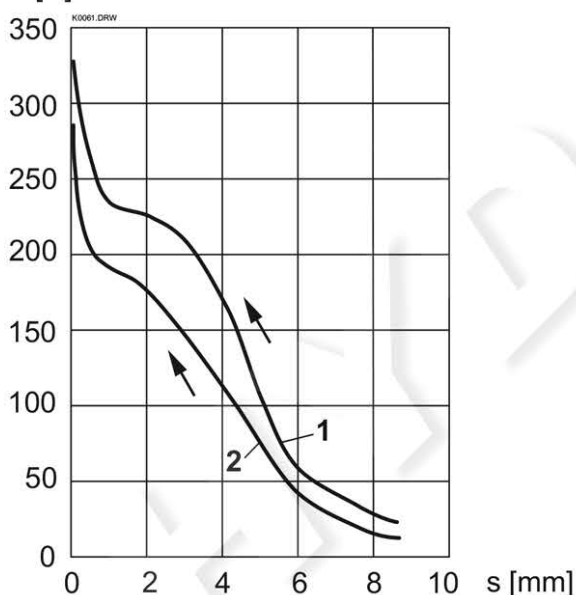
21 VDC	to	24 VAC
32 VDC	to	36 VAC
36 VDC	to	42 VAC
42 VDC	to	48 VAC

	12VDC	24VDC	115VAC	230VAC
Nominal resistance (Ω)	4	16,5	260	920
Number of windings (-)	780	1'580	5'710	11'200
Inductivity (mH)	17	65	-	-

PERFORMANCE

$F = f(s)$ Force-stroke characteristics

F [N]



- 1: $U = 100\% U_N$
2: $U = 90\% U_N$

Reference temperature = 20°C (40W)
Reference temperature = 50°C
Solenoid in operating temperature (25W)

The values refer to $U_N = 24$ VDC.

With other nominal voltages deviations can occur.

For curve 2 the solenoid has been mounted on a body $\square 62 \times 93$.

ACCESSOIRES

Plug HB0	* Article No. 239.2033
Plug with integrated manual override HB8,5	* Article No. 253.8002
	* acc. data sheet 1.1-300
Special manual override	see data sheet 1.1-310
Plug grey	Article No. 219.2001
Plug black	Article No. 219.2002
Rectifier plug grey	Article No. 219.2105
Rectifier plug black	Article No. 219.2106