

Proportional solenoid PI60V-...-M40 to VDE 0580 Plug plate to ISO 4400/DIN 43650 Protection class IP65

DESCRIPTION

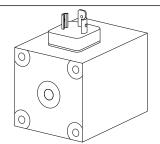
The PI60V is a proportional solenoid. Its design corresponds to VDE standard 0580. The steel housing is zinc coated as a standard. Static pressure tightness is 350 bars! All o-rings are Viton. The solenoids are fixed to the valve with four screws. Depending on the intended use, the solenoid can be supplied with a plug screw, or with integrated manual override. The connector plate corresponds to ISO 4400 and DIN 43650.

FUNCTION

The horizontal force-stroke characteristics in the working stroke range means that:

- a more or less linear force absorption can be achieved with constant stroke and increasing current absorption;
- a more or less linear stroke variation can be achieved when working against a spring and with increasing current absorption.

This ensures that the reference voltage is adequate at the specified reference temperature to reach the limit current in every case.



APPLICATION

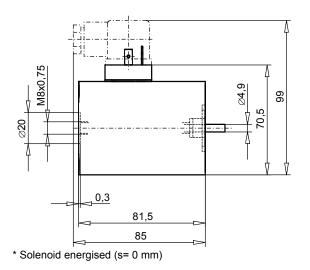
Essential for hydraulic proportional-way-, pressure- and current valves. Because of the risk of overheating, the solenoid must never be used separately. The lenght of the fixing screws depends on the base material of the body. An o-ring is used for the valve seal. Information on screws and o-rings will be found in the data sheets relating to the valves concerned. Before changing the plug screw or the screw with integrated manual override, care must be taken to ensure that the solenoid is not under pressure. Risk of injury! The maximum operating pressure is determinded by the valve actually used.

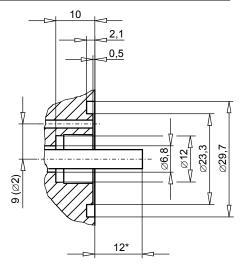
TYPE CODE

ΡI	60	V -	- M	40 - 🗌	#	¥ 🗌
1		1				1
))		HB8,	HB0			

Design-Index (Subject to change)

DIMENSIONS





Wandfluh AG Postfach CH-3714 Frutigen

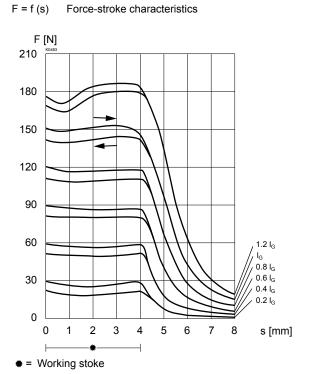
Tel. +41 33 672 72 72 Fax +41 33 672 72 12 *E-mail:* sales@wandfluh.com Internet: www.wandfluh.com Illustrations not obligatory Data subject to change

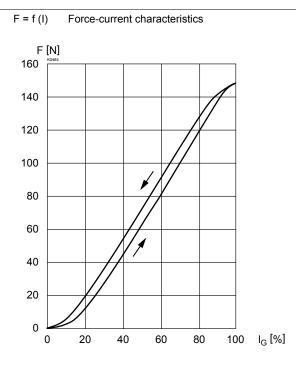
Solenoids



CHARACTERISTICS				12 VDC	24 VDC
Static pressure tightness	350 bar	Totale stroke	(mm)	8	8
	(seal diameter of valve max. 29 mm)	Working stroke	(mm)	4	4
	With seal diameter of valve = 32 mm:	Rated force	(N)	145	145
	Static pressure tightness = 315 bar	Hysteresis of rated force	(%)	5	5
Coil winding insulation class	н	Hysteresis of rated current	(%)	5	5
Connection/Power supply	Over device plug connection to	Nom. linearity deviation	(%)	2	2
	ISO 4400/DIN 43650, (2P+E),	Rated restistance	(Ω)	4,1	16,5
	other connections on request	Rated current	(A)	2,3	1,15
Protection class EN 60529	IP65	Limiting current	(A)	2,3	1,15
Relative duty factor	100%	Linearity current	(A)	0,3	0,15
Reference temperature	50 °C	Actuation current	(A)	0,1	0,05
Seal	Viton, other on request	Nominal wattage	(W)	22	22
Fluid	Mineral oil, other on request	Performance limit	(W)	28	28
Mounting screws	4 x M6 (quality 8.8)	Number of windings	(-)	780	1'580
Housing	Zinc coated steel housing,	Inductivity	(mH)	17	65
-	other surface treatments on request	Armature weight	(kg)	0,102	0,102
		Solenoid weight	(kg)	1,90	1,90

PERFORMANCE





ACCESSOIRES

Plug with integrated manual override HB8,5 Article No. 253.8002 data sheet 1.1-300	Plug HB0	Article No. 239.2033
		data sheet 1.1-300
	Plug with integrated manual override HB8,5	
	Plug grev	Article No. 219 2001
Plug grev Article No. 219 2001		Article No. 219.2002
Plug greyArticle No. 219.2001Plug blackArticle No. 219.2002		

Technical explanation see data sheet 1.1-410

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