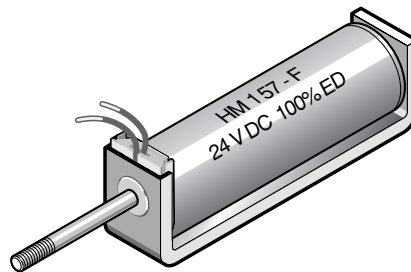


HM1 Series Linear Solenoid Push or Pull Type

HM	1	07	- F -	24 V DC	100 % ED	Order specifications
HM						Linear solenoid
	1					Sizes
						Design type
		07				Pull type solenoid
		57				Thrust type solenoid
						Coil terminals
			F			Flying leads (10 cm standard length)
				24		Nominal voltage (standard voltage) ¹⁾
					100 % ED	Perm. duty cycle under air cooled conditions (LK)

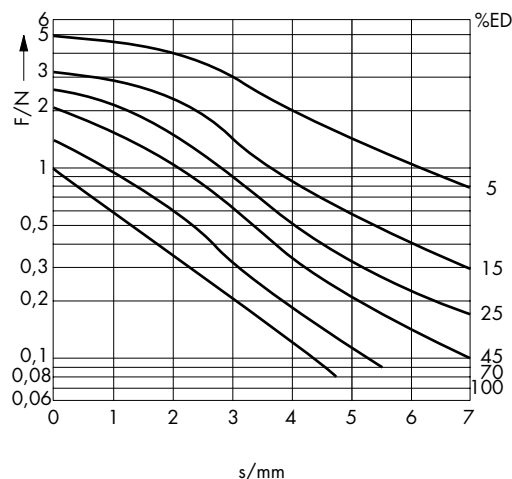
¹⁾ Other DC voltages are available on request.



Weight:
 Complete solenoid: appr. 32 g
 Armature: appr. 8 g
 Standard:
 Voltage: 24 V DC
 Flying leads: 10 cm
 Insulation class: E (max. permissible temperature = 120 °C)

	100	70	45	25	15	5	% Perm. duty cycle (ED) ²⁾
	2,8	4,3	6,5	10	18	52	W Nominal coil power P _n
	34					8	ms Actuation time (ED) ³⁾

²⁾ If solenoid is mounted directly onto a flat metal surface of at least 30 cm², the duty cycle can be extended up to 1.3 x nominal rating
³⁾ Stroke 5 mm



Force vs. Stroke diagram $F = f(s)$

Force measured when operating in horizontal position, at 90 % rated voltage and with winding at operating temperature

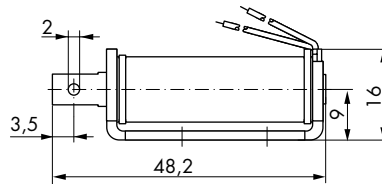
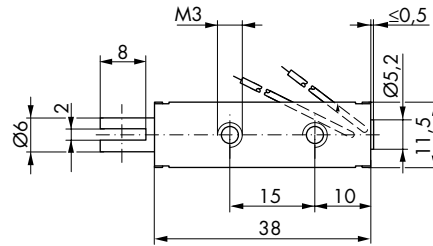
stroke $s = 0$ corresponds to armature in fully home position

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HM1 Series Linear Solenoid Push or Pull Type

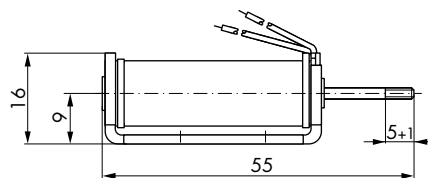
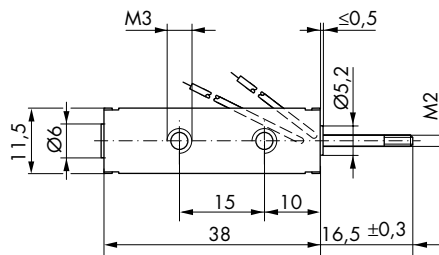
Series HM 107 pull type solenoid



Dimensions given with armature in fully home position

→ Direction of stroke

Series HM 157 thrust type solenoid



Dimensions given with armature in fully home position

→ Direction of stroke

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