



RM090 Series Linear Solenoid Push and/or Pull Type

Heavy duty linear solenoid RM 090

Weight: Complete

> solenoid: appr. 4500 g Armature: appr. 800 g

Standard:

Voltage: 24 V DC Flying leads: 20 cm

Insulation class: F (max. permissible

temperature = 155 °C)

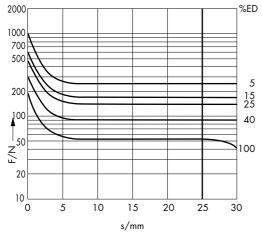


Service-free DU armature bearing for maximum durability.

Stroke of version with standard stroke limiter: 25 mm.

100	40	25	15	5	%	Perm. duty Cycle (ED) ¹⁾
51	102	194	303	748	W	Nominal coil power Pn
85				38	ms	Actuation time (ED)

¹⁾ If solenoid is mounted directly onto a flat metal surface the duty cycle can be extended (please ask for advice)



Force vs. Stroke diagram F = f(s)

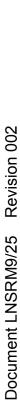
W = horizontal characteristic

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

stroke s = 0 corresponds to armature in fully home position

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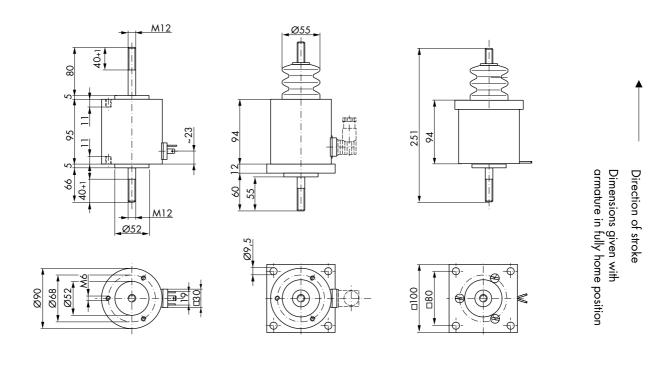
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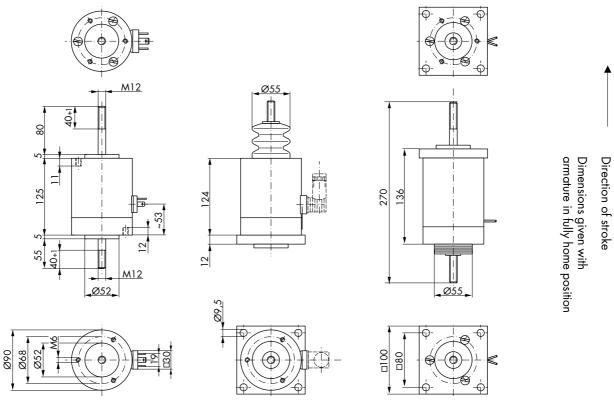


RM090 Series Linear Solenoid Push and/or Pull Type

without stroke limiter





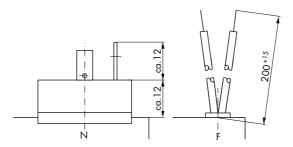


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RM090 Series Ordering Information

RM	090	- W -	0	R	0	R	- N -	24 V DC	100 % ED	Order specifications	
RM										Linear solenoid series	
	090									Design type Ø mm	
		244									
		W								Horizontal frontal forc	ce vs. stroke output
										Description ²⁾	
			О							Stroke limit	without with
			П	R						 Plunger	right hand side ³⁾
				В						riunger	both sides
				ט	0					 Flange	without
					R					i ridiige	right hand side ³⁾
					L						left hand side ⁴⁾
						0				Gaiter	without
						R					right hand side ³⁾
						L					left hand side ^{4) 5)}
						В					both sides ⁵⁾
							F			Coil terminals	Flying leads (20 cm standard length)
							N				plug-in socket connection ⁶⁾
					24		Operating voltage	24 V DC			
								205			205 V DC (connected to 230 V AC with SI- bridge rectifier)
									100 % ED	Perm. duty cycle unde	er air cooled conditions (LK)

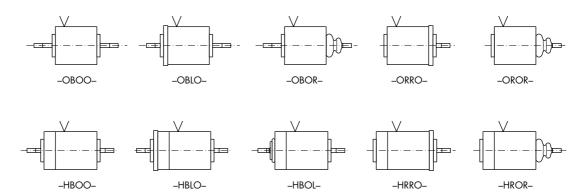


- 2) See below
- 3) Opposite to electrical connection
- 4) Same side as electrical connection
- 5) Available with stroke limit only
- 6) For plug-in socket 6.3 DIN 46247 and plug Z801 and Z811

Coil terminals

Examples of design types:

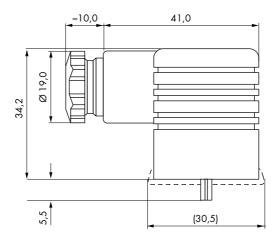
Direction of stroke



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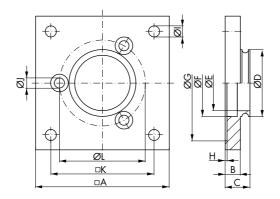
RM090 Series Accessories



Plug-in socket Z801 Screw joint PG 9 for lead diameter 4.5 - 7 mm

Plug-in socket Z811

Screw joint PG 11 for lead diameter 6 - 9 mm Plug-in socket with built in Si-bridge rectifier



Flange (Mounting screws are part of the shipment)

Order specification

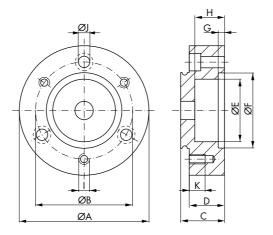
Order		Dimensio	Dimensions (mm) Dimensions (mm)												Order
number	Туре	Α	В	С	D	E	F	G	Н	I	J	K	L	Туре	number
Z 843	RM 090	100,0	12,0	1 <i>7</i> ,0	52,0	43,0	52,0	90,5	1,0	9,5	6,4	80,0	68,0	RM 090	Z 843

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RM090 Series Accessories



Stroke limiter (Mounting screws are part of the shipment)

Order specification

Order		Dimension	Dimensions (mm) Dimensions (mm)											
number	Туре	Α	В	С	D	E	F	G	Н	I	J	K	Туре	number
Z 848	RM 090	90,0	68,0	35,0	30,0	43,0	52,0	5,5	25,0	M6	6,4	12,0	RM 090	Z 848

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