

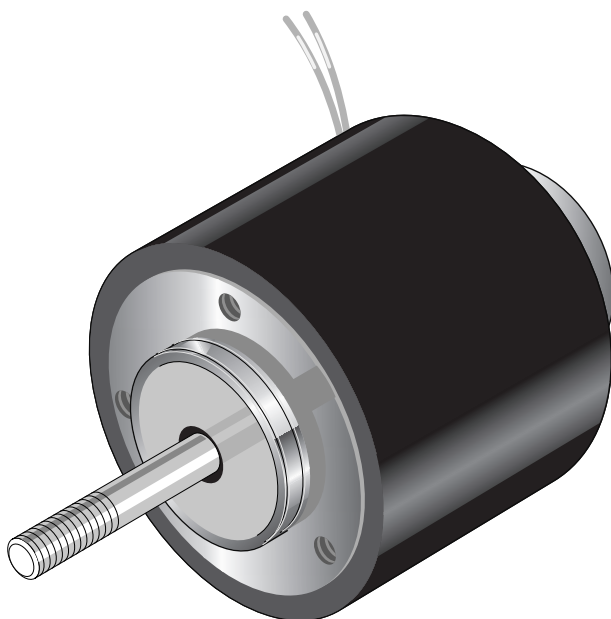
RM090 Series Linear Solenoid Push and/or Pull Type

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)

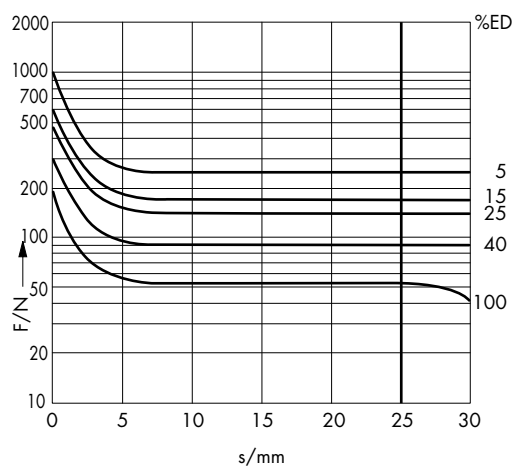
Service-free DU armature bearing for maximum durability.

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 P _n
	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

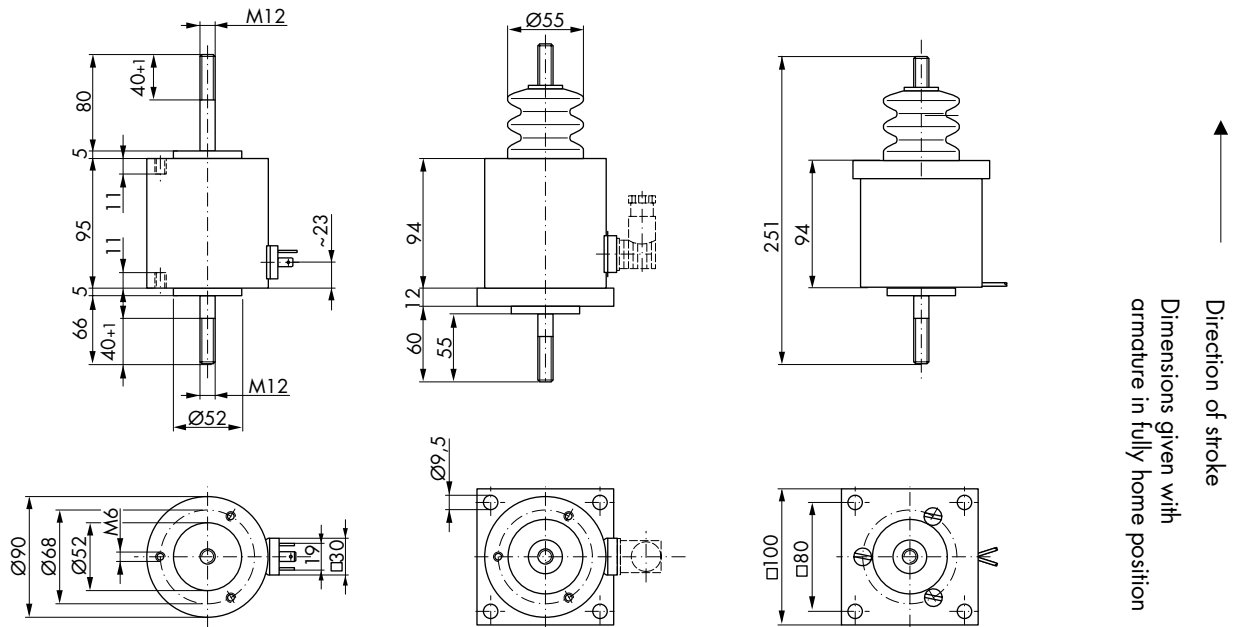
stroke $s = 0$ corresponds to armature in fully home position

Impulse Automation Limited
United Kingdom
Company Registration 665193

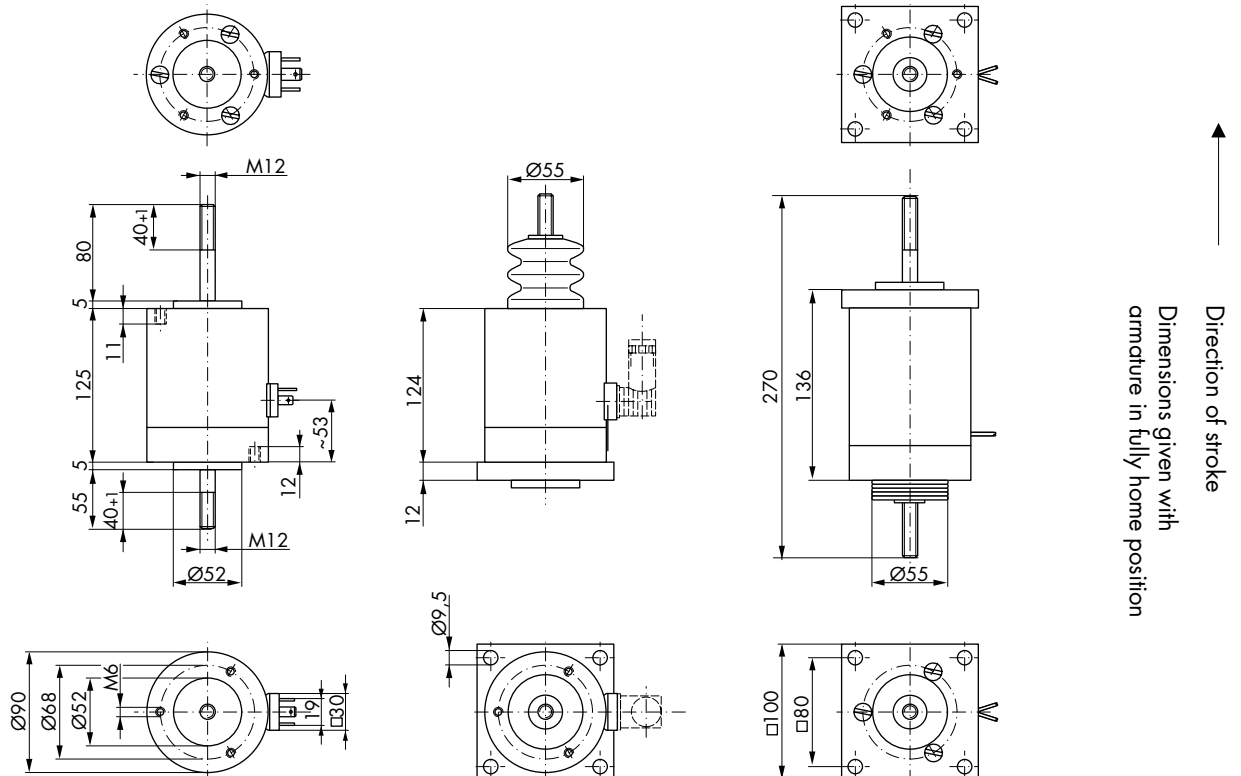
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RM090 Series Linear Solenoid Push and/or Pull Type

without stroke limiter



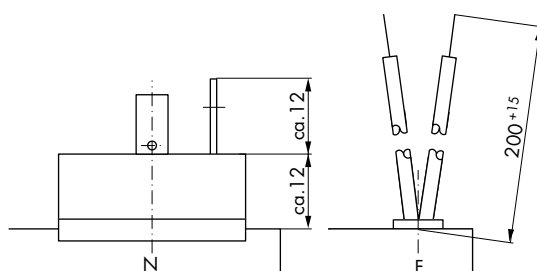
with stroke limiter



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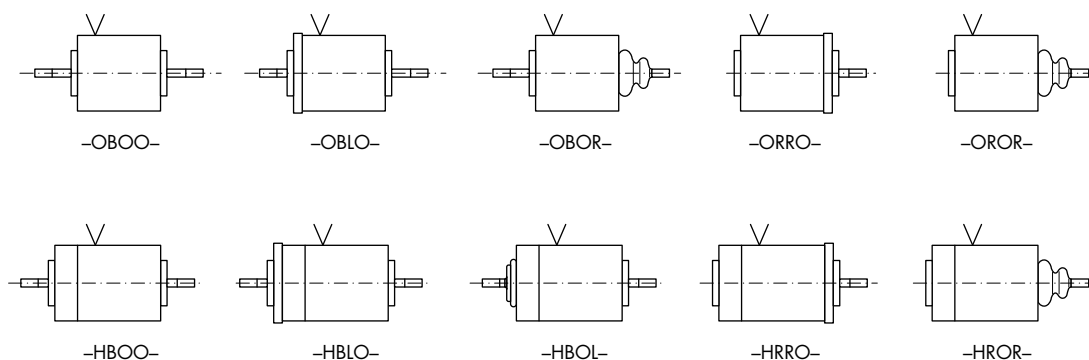
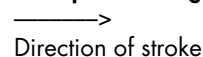
RM090 Series Ordering Information

[illegible]

- 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

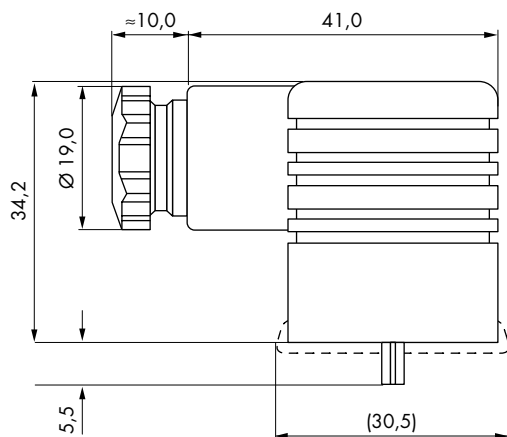
Examples of design types:



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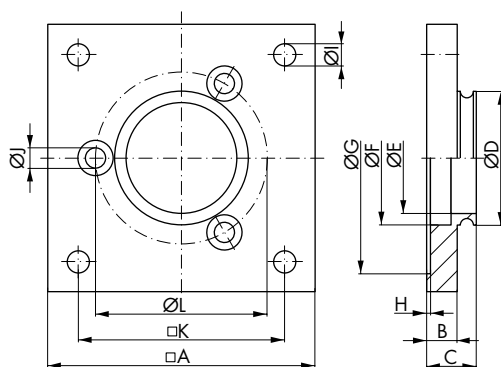
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RM090 Series Accessories



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

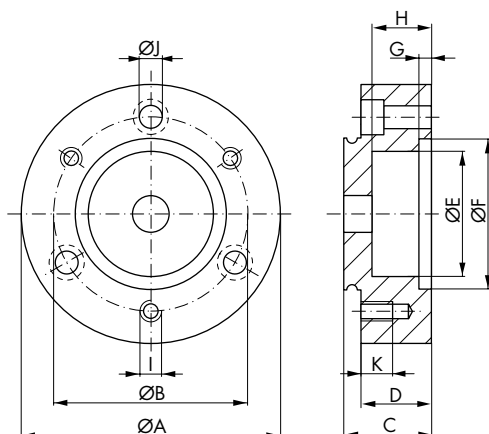


Flange
(Mounting screws are part of the
shipment)

Order specification

Order number	Type	Dimensions (mm)												Type	Order number
		A	B	C	D	E	F	G	H	I	J	K	L		
Z 843	RM 090	100,0	12,0	17,0	52,0	43,0	52,0	90,5	1,0	9,5	6,4	80,0	68,0	RM 090	Z 843

RM090 Series Accessories



Stroke limiter

(Mounting screws are part of the shipment)

Order specification

Order number	Type	Dimensions (mm)										Dimensions (mm)		Type	Order number
		A	B	C	D	E	F	G	H	I	J	K			
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	