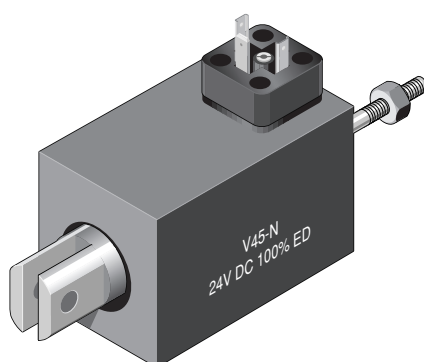


## V45 Series Linear Solenoid Push & Pull Type

V	45	- N -	24 V DC	100 % ED	Order specifications
V					Linear solenoid
	45				Design type
					Coil terminals
		F			Flying leads (10 cm standard length)
		N			Plug <sup>1)</sup>
			24		Nominal voltage (standard voltage) <sup>2)</sup>
				100 % ED	Perm. duty cycle under air cooled conditions (LK)

<sup>1)</sup> Suits plug-in socket 6.3 DIN 46247

<sup>2)</sup> Other voltages are available on request up to 230 V DC



### Weight:

Complete solenoid: appr. 970 g  
Armature: appr. 220 g

### Standard:

Voltage: 24 V DC  
Flying leads: 10 cm  
Insulation class: E (max. permissible temperature = 120 °C)

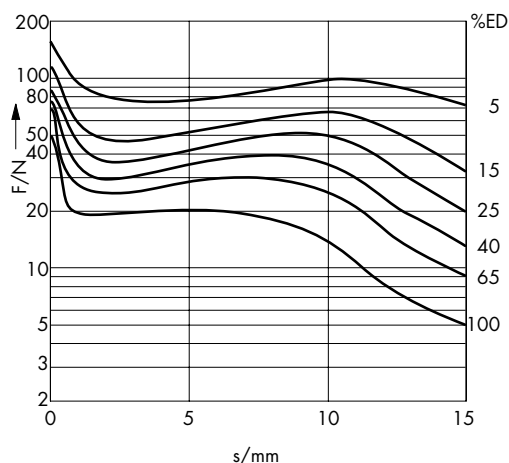
Accessories: Plug-in socket part no. Z801 and Z811

### Metal case

Terminal box: 6.3 DIN 46247

	100	65	40	25	15	5	% Perm. duty cycle (ED) <sup>3)</sup>
	18	29	43	67	107	275	W Nominal coil power P <sub>n</sub>

<sup>3)</sup> If solenoid is mounted directly onto a flat metal surface of at least 300 cm<sup>2</sup>, the duty cycle can be extended up to 1.3 x nominal rating



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

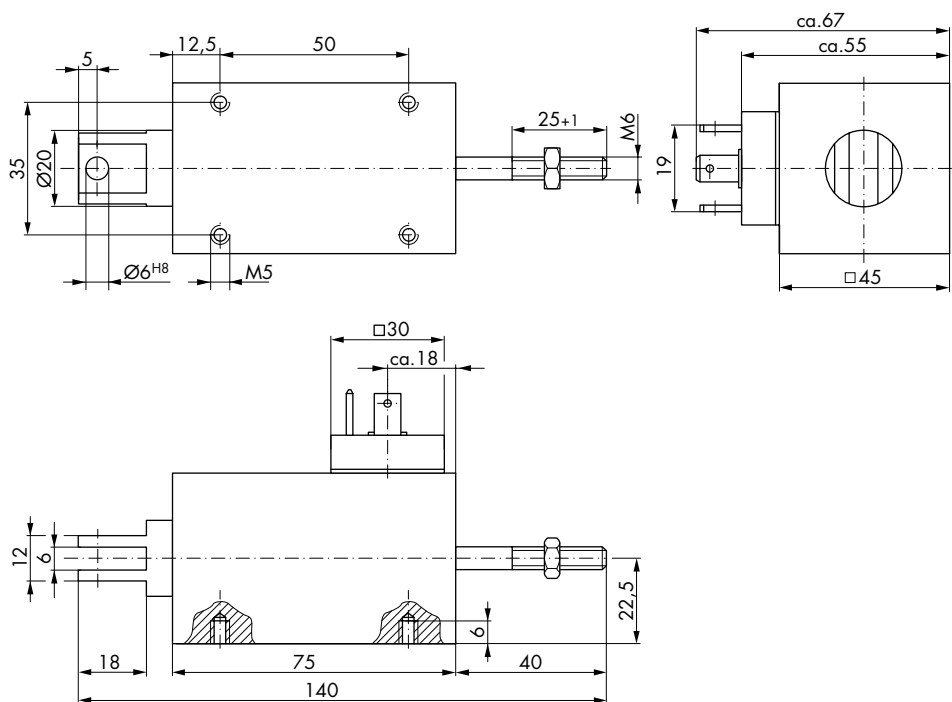
Force measured when operating in horizontal position, at 90 % rated voltage and with winding at operating temperature

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

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**United Kingdom**  
**Company Registration 665193**

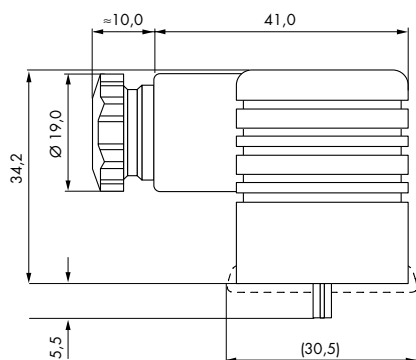
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## V45 Series Linear Solenoid Push & Pull Type



Dimensions given with armature in fully home position

→  
Direction of stroke



### 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



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