# V30 Series Linear Solenoid Push & Pull Type

| V | 30 | – N – | 24 V DC | 100 % ED | Order specifications |
|---|---|---|---|---|---|
| V | | | | | Linear solenoid |
| | 30 | | | | Design type |
| | | | | | Coil terminals |
| | | F | | | Flying leads (10 cm standard length) |
| | | N | | | Plug[1] |
| | | | 24 | | Nominal voltage (standard voltage)[2] |
| | | | | 100 % ED | Perm. duty cycle under air cooled conditions (LK) |

[1] Suits plug-in socket 6.3 DIN 46247
[2] Other voltages are available on request up to 230 V DC
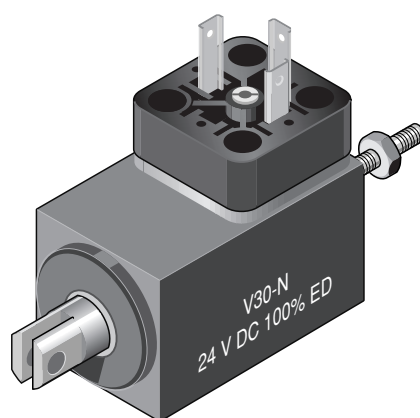
Weight:
 Complete
 solenoid:     appr. 285 g
 Armature:    appr. 28 g
Standard:
 Voltage:      24 V DC
 Flying leads:  10 cm
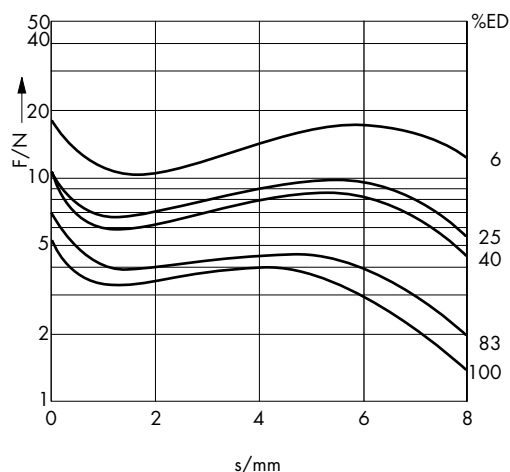 Insulation class: E (max. permissible temperature = 120 °C)

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

Metal case
Terminal box:   6.3 DIN 46247

| | 100 | 85 | 40 | 25 | 6 | % | Perm. duty cycle (ED)[3] |
|---|---|---|---|---|---|---|---|
| | 9,2 | 11 | 21 | 33 | 128 | W | Nominal coil power $P_n$ |

[3] If solenoid is mounted directly onto a flat metal surface of at least 300 cm², the duty cycle can be extended up to 1.3 x nominal rating
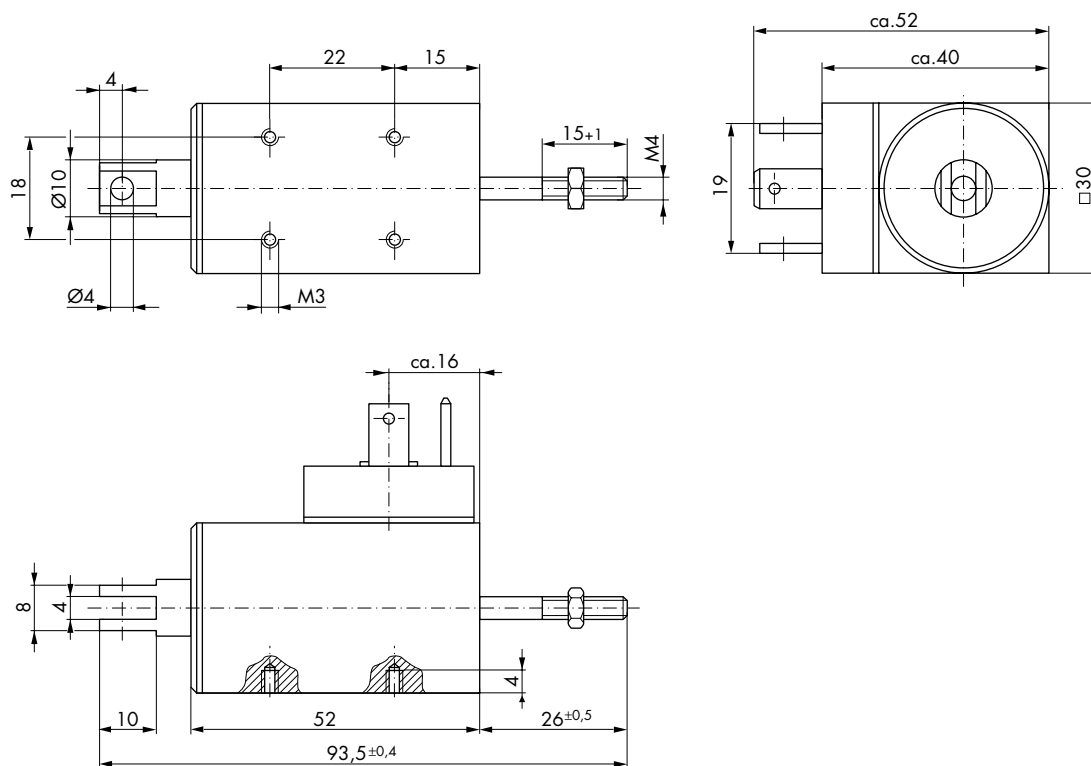


Force vs. Stroke diagram F = f (s)

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

**Impulse Automation Limited**
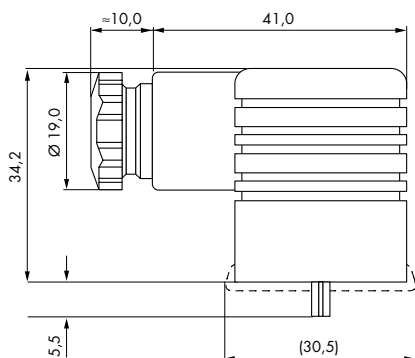**United Kingdom**
**Company Registration 665193**

# V30 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

**Impulse Automation Limited**
**United Kingdom**
**Company Registration 665193**