We develop individual solutions to meet your requirements – quick, precisely and flexibly. Seminars and optimal consulting or how to use our products contribute to a better understanding. In cooperation with our customers we focus our efforts on always being a competent and beneficial partner.

Almost 200 employees and a worldwide network of our partners at 33 locations are at your disposal. Due to our international structure we always have the exact knowledge of the market and product development trends as well as of business processes in the plastics industry.

We have a very individual point of view. Yours!

SMA 10 Stepper Motor
for single needle drive

ServeControl Control Device Single 1.0
for up to 16 shut-off needles.
**SMA 10 Stepper Motor**

**FOR SINGLE NEEDLE DRIVE UNIT**

**Benefits**
- Simple installation and tool construction
- Maintenance free
- Without supply bore holes in the mounting plate

**Applications**
- Complex applications
- For fully electric or hybrid injection moulding machines
- Unrestricted clean-room compatibility

**SMA 10 Stepper Motor**

- **Hub:** 12.7 mm
- **Speed:** adjustable, recommended 10-25 mm/s
- **Clamping force:** speed dependent
  - ca. 700 N by 12.5 mm/s
- **Dimensions:** 56.2 x 56.2 x 104.2 mm

**Technological Data**

- **Pitch centre**
  - 100
- **Flexible cable**
  - ø20
- **Connecting nozzle**
  - type AKD
- **Fixing hole for cheese-head screws M5(12.9), 4x**
- **Plug in connection**
  - screwed in

**Gating-Diameter**

<table>
<thead>
<tr>
<th>Nozzle-ø</th>
<th>Needle-ø</th>
<th>Gating point-ø</th>
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<tbody>
<tr>
<td>mm</td>
<td>mm</td>
<td>0.8</td>
</tr>
<tr>
<td>s</td>
<td>2</td>
<td>•</td>
</tr>
<tr>
<td>s</td>
<td>3</td>
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<td>3</td>
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<tr>
<td>s</td>
<td>3</td>
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</tbody>
</table>

**Gating point-ø:**
- **Standard**
- • on request

**Order Code**

- **2SCE1**
- **4SCE1**
- **8SCE1**
- **12SCE1**
- **16SCE1**

**Wiring diagram**

All electrical cables suitable for industrial use and pluggable.

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**ServoControl Device Single SCE 1.0**

**FOR UP TO 16 SHUT-OFF NEEDLES**

**Benefits**
- Handling via control keys and colour touch screen
- Plain, simple and easy-to-follow menu
- Removable control unit provides mobility
- One controller governs up to 16 individually controllable needles
- Needle position adjustable

**Applications**
- Complex applications
- For fully electric or hybrid injection moulding machines
- Unrestricted clean-room compatibility

**ServoControl Single Device SCE 1.0**

- **Nominal voltage:** 1-phase, 220-240 VAC* 50/60Hz
- **Required fuse:** F 16 A
- **Interface to the injection moulding machine:** 48-pin plug connector
- **Signal voltage:** 24 VDC **
- **Dimensions:** WxHxD= 380 x 300 x 350 mm
- **Weight:** approx. 25.0 kg

*Volt Alternating Current
**Volt Direct Current

**Order Code**

<table>
<thead>
<tr>
<th>Code</th>
<th>Quantity</th>
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</thead>
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**Ordering Code**

- **2SCE1**
- **4SCE1**
- **8SCE1**
- **12SCE1**
- **16SCE1**

**Order Code**

- **2SCE1**
- **4SCE1**
- **8SCE1**
- **12SCE1**
- **16SCE1**

**Wiring diagram**

All electrical cables suitable for industrial use and pluggable.