**INTENDED USE:**
Non-authorized use of the solenoid coil Type AC10 may be a hazard to people, nearby equipment and the environment. The solenoid coil Type is used to actuate valves which control gaseous or liquid media.

- Use according to the authorized data, operating conditions, and conditions of use specified in the contract documents and operating instructions.
- Correct transportation, correct storage as well as correct assembly, installation, start-up, operation and maintenance are essential for reliable and problem-free operation.
- Use the device only in conjunction with third-party devices and components recommended and authorized by Bürkert.
- Use the device only for its intended purpose

**PRODUCT DESCRIPTION:**
The solenoid coil Type AC10 is an electromagnetic actuator for valves to control gaseous or liquid media. The valve function results from the connection of the solenoid coil with a fluid housing, whereby coil and fluid housing are connected by a locknut. The coil is therefore a push-over coil. The magnetic core serves as actuating element. The solenoid coil is separated from the fluid by the armature guide tube.

The solenoid coil housing is composed of epoxy resin.

The power supply is connected via a cable. The cable is permanently integrated in the solenoid coil. All metallic components are grounded via the protective conductor in the cable.

**SPECIFIC CONDITIONS OF USE:**
Risk of explosion due to electrostatic discharge.
In the event of a sudden discharge from electrostatically charged devices or individuals, there is a risk of an explosion in the explosion-risk area.

- Take suitable measures to ensure that no electrostatic discharges can build up in the explosion-risk area.
- Do not use the device in areas where there are powerful charge generating processes, mechanical reaming and cutting processes, the spraying of electrons (e.g. in the vicinity of electrostatic coating equipment) as well as pneumatically conveyed dust.
- Clean the device surface by gently wiping it with a damp or anti-static cloth only.

Solenoid leads must be terminated in a suitable junction box

**ELECTRICAL CONNECTION**
The connection cable is encapsulated with the solenoid coil Type AC10 and cannot be removed.

Observe the indicated voltage according to the type label.

**Wire color** | **Terminal assignment**
--- | ---
green / yellow | Protective conductor
black | Phase / positive pole (+)
black | Neutral conductor / negative pole (-)

Polarity does not have to be observed

**TECHNICAL DATA:**

- **Cert. No.:** FM20CA_X
- **Zone Marking (US and CA separate)**
- **Division Marking (US and CA together)**
- **Model**
- **Approval Mark**
- **Datamatrix**
- **Warning Marking (Reference to manual) EN and FR**
- **Electrical Ratings (Voltage, Frequency, Power)**
- **Ambient Temperature**
- **Serial No.**
- **Identify number, factory, date of production, material**
- **Manufacturer’s name and address**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Certificate No. (if required)</td>
</tr>
<tr>
<td>2</td>
<td>Zone Marking (US and CA separate)</td>
</tr>
<tr>
<td>3</td>
<td>Division Marking (US and CA together)</td>
</tr>
<tr>
<td>4</td>
<td>Model</td>
</tr>
<tr>
<td>5</td>
<td>Approval Mark</td>
</tr>
<tr>
<td>6</td>
<td>Datamatrix</td>
</tr>
<tr>
<td>7</td>
<td>Warning Marking (Reference to manual) EN and FR</td>
</tr>
<tr>
<td>8</td>
<td>Electrical Ratings (Voltage, Frequency, Power)</td>
</tr>
<tr>
<td>9</td>
<td>Ambient Temperature</td>
</tr>
<tr>
<td>10</td>
<td>Serial No.</td>
</tr>
<tr>
<td>11</td>
<td>Identify number, factory, date of production, material</td>
</tr>
<tr>
<td>12</td>
<td>Manufacturer’s name and address</td>
</tr>
</tbody>
</table>

**Ratings**
- **Voltage type:** AC or DC (appropriate winding code)
- **Nominal voltage:** 12...240 V
- **Nominal power:** 10 W
- **Ambient temperature**
  - Continuous operation: -40 °C...+55 °C
  - Temperature class: T4 / T6

**Valve Ratings**
- **Maximum inlet pressure:** See label on valve
- **Maximum fluid temperature**: 90 °C

*depends on Valve Body and gasket materials

**Assembly instructions**
The conduit connector on the coil (2) must be supported against torque during the assembly using appropriate tools (3) (for example pliers, gripper…).

While tightening for example a fitting (1) into the conduit connector attention must be paid to the fact that a maximum torque of 20Nm (177lbf) is not exceeded.

**GENERAL INFORMATION**
Contact address
Bürkert Fluid Control Systems
Sales Center
Christian-Bürkert-Str. 13-17
D-74653 Ingelfingen
Tel. +49 (0) 7940 – 10-91 111
Fax +49 (0) 7940 – 10-91 448
Email: info@de.buerkert.com

International contact addresses can be found on the final pages of the printed operating instructions and also on the Internet at:
www.burkert.com