

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 antistatic cloth only.

Solenoid leads must be terminated in a suitable junction box

CONDITIONS D'UTILISATION PARTICULIÈRES :

Risque d'explosion dû à une décharge électrostatique.

En cas de décharge soudaine d'appareils ou de personnes chargés d'électricité statique, il existe un risque d'explosion dans la zone d'atmosphère explosible.

- ▶ Prendre des mesures adaptées afin de garantir qu'aucune décharge électrostatique ne puisse se former dans la zone d'atmosphère explosible.
- ▶ Ne pas utiliser l'appareil dans des zones avec des processus générant des charges puissantes, des processus d'alésage et de coupe mécaniques, une pulvérisation d'électrons (par ex. à proximité d'équipements de revêtement électrostatique) et comprenant des poussières véhiculées par voie pneumatique.
- ▶ Nettoyer la surface de l'appareil uniquement en l'essuyant avec un chiffon humide ou antistatique.

Les fils des solénoïdes doivent être terminés dans une boîte de jonction appropriée

GENERAL INFORMATION

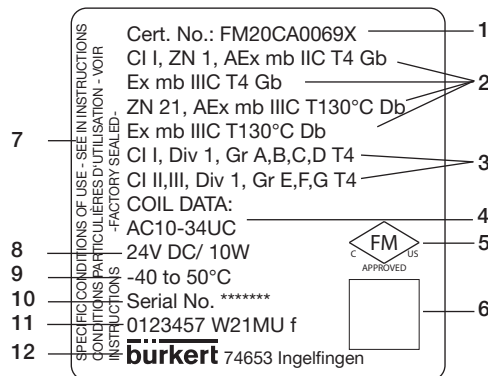
Contact address
 Bürkert Fluid Control Systems
 Sales Center
 Christian-Bürkert-Str. 13-17
 D-74653 Ingelfingen
 Tel. +49 (0) 7940 – 10-91 111
 Fax +49 (0) 7940 – 10-91 448
 E-Mail: info@burkert.com

International

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

TECHNICAL DATA:

Coil identification



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

Ratings

Voltage type	AC or DC (appropriate winding code)
Nominal voltage	12...240 V
Nominal power	10 W
Ambient temperature Continuous operation	-40 °C...+50 °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

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.

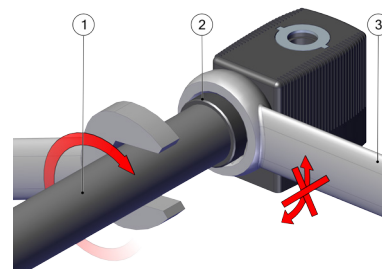
Wire color	Terminal assignment
green / yellow	Protective conductor
black	Phase / positive pole (+)
black	Neutral conductor / negative pole (-)

Polarity does not have to be observed

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.



max. 20Nm (177lbf)