

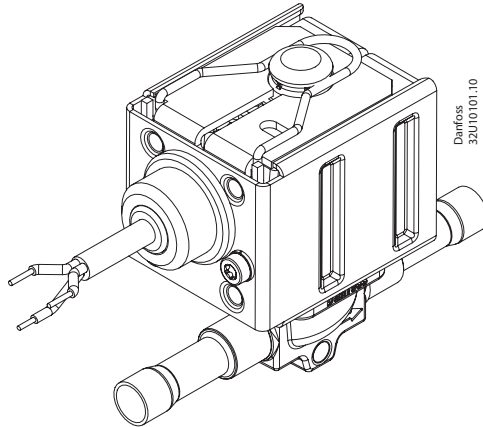
Installation guide

Solenoid coil for control in potentially explosive areas

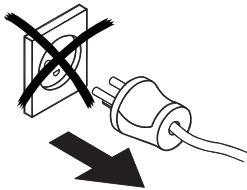
Type BZ

018R9667

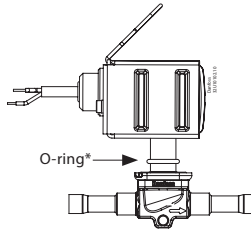
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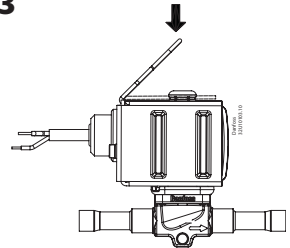
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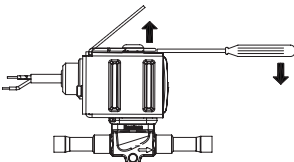
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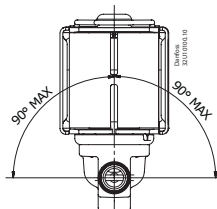
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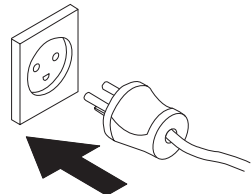
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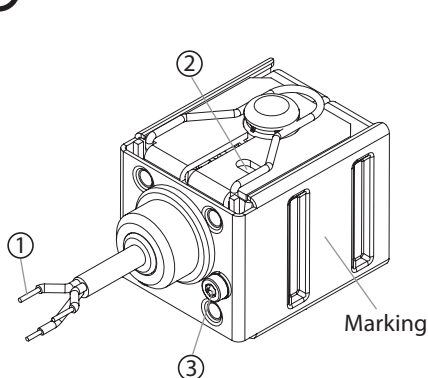
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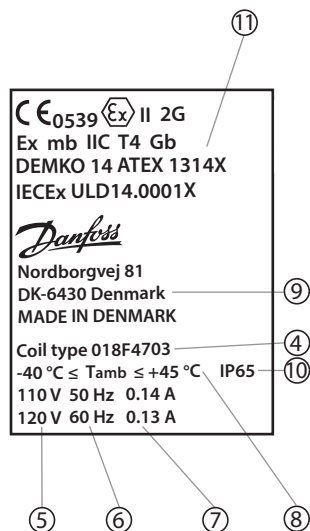


(A)

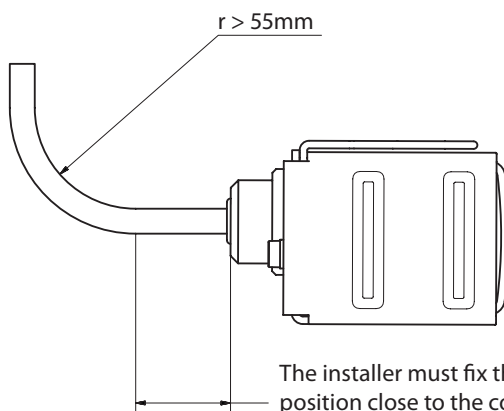


(2) Date of manufacturing

XXXX
 Year
 Week



(B)



The installer must fix the cable in a position close to the coil to ensure that the first 20 mm cannot be bent.

Safety instruction

All national safety regulations must be complied with in connection with installation, start-up and operation of Danfoss solenoid valve. Furthermore, the requirements of the declaration of conformity and national regulations for installation in explosion area. Disregarding such regulations involves a risk of serious personal injury or extensive material damage. Work in connection with the solenoid valve mentioned must be performed only by suitable qualified persons.

Basic safety and health requirements are fulfilled through compliance with:

- IEC60079-0, 7th Edition
- EN 60079-0: 2018
- IEC60079-18 4th Edition, EN60079-18: 2015

Installation, operation and maintenance

- Protect the coil against external impact
- Protect the coil against direct sunlight and other ultraviolet sources
- Disconnect the power before dismantling the coil
- An external fuse (standard DIN41571-2) is required to protect coils as follows:
018F4703: 250 mA, 1500 A Breaking capacity, 250 V, Medium Time lag
018F4704: 150 mA, 1500 A Breaking capacity, 250 V, Medium Time lag
018F4705: 500 mA, 1500 A Breaking capacity, 250 V, Medium Time lag
The Power supplying the solenoid must be limited to a prospective short circuit current of a maximum 1500 A
- Install the coil and cable according to EN60079-14
- The cable supplied with the solenoids must not be handled or flexed, and shall be protected against impact if the ambient temperature is below 0 °C
- Installation and handling of the cable shall be done at temperature above 0 °C

- The cable is only for fixed installation and the minimum bending diameter for fixed installation: $r \geq 55 \text{ mm}$ (E)
- The cable jacket material is PVC
- The cable operating temperature range is -40 – 90 °C
- The product is provided with a yellow/green PE wire as well as an external earth terminal. These shall not be used simultaneously.

If the external earth connection is connected to earth or bonding system, the Y/G earth wire must be cut off, isolated and not connected. If the Y/G wire is connected to earth, the external earth terminal must be left without any connection. For the external earth terminal the size of the earth core shall be minimum 4 mm² and the installer shall use a suitable method e.g. crimp terminal to ensure secureness of the external earth connection. The screw for external PE shall be mounted with 1.2 Nm \pm 0.2. The external earth conductors shall be physically secured close to the coil connection to ensure that the conductors cannot be readily loosened or twisted

- The end user must ensure the earthing of the coil is maintained
- Non-detachable cords method Z repairing not allowed. If the coil failed, it must be replaced by a new coil

In case of problems please contact:
Danfoss A/S
DK-6430 Nordborg
Denmark