Electromagnetic inverter

Series **222XXXX**

Centralized grease systems » Reverser

Applications

- For long length lines and heavy duty installations. It is used for switching lines into double line lubrication systems of grease or oil.

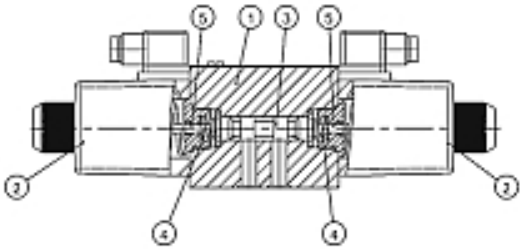
Features

- Two or three positions selectable
- High performances
- Steel body EN 10087-11SMnPb30 and galvanised steel according to ISO 2081 – Fe/Zn12/A.
- Operation for both grease or oil
- Available in several tensions

Description

The electromagnetic inverter is piston driven and its function is to change the direction of the flow in oil or grease circuits in double line systems, the manoeuvre is carried out by means of two coils.

Operating principle illustration



Design and operating principle

The directional valves consist essentially of a body (1), one or two solenoid coils (2), the piston (3), and one or two return springs (4).

In the depressurization state, the piston (3) is kept in the central or rest position by the return springs (4). The piston (3) is operated by means of the solenoid (2). The magnetic force of the solenoid (2) acts through a pusher (5) on the piston (3) moving it from its resting position to the desired final position. In this way the desired flow directions are free, depending on the type of piston used. Once the solenoid (2) is depressurized, the piston (3) is moved again by the return spring (4) to its resting position.

The design of the arrangement of the connections follows the Cetop industrial standard that is given by flow capacity, therefore they must always be mounted on a secondary base of Nortek.

Note: To ensure proper operation, the solenoid pressure chamber must always be filled with oil.

Installation

It must be connected to a control panel and the reversion must be made through a final line pressure switch.

The mounting system is stackable and allows multiple circuits to be made, minimizing the necessary space, saving assembly time and expensive pipe installations.

Specifications

Flow	70 kg/h
Maximum working pressure	350 kg/cm^2
Operating temperature	-20 °C / +80 °C
Connections	According Cetop C5 standard
Electrovalve power	AC 8 W DC 9 W
Weight	6,2 kg

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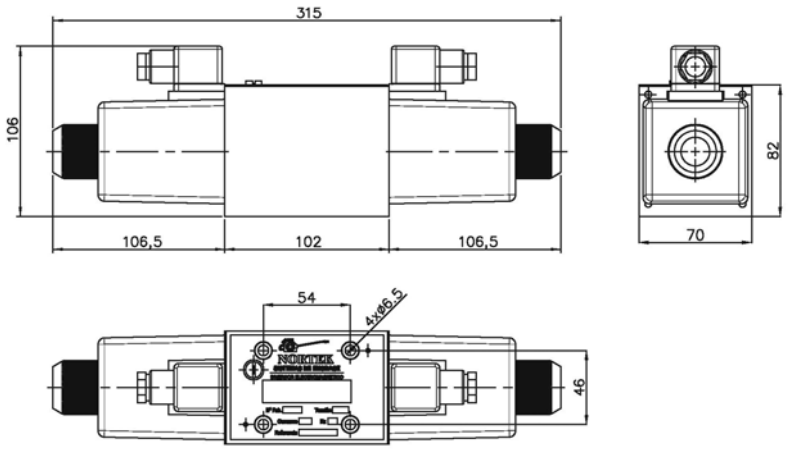
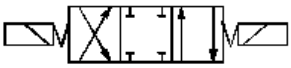
Dimensional drawing



MODEL	SYNOPTIC
A	
B	
C	
D	

Ordering information

AFTER REFERENCE, NUMBERS TO BE ADDED DEPENDING ON THE ASSEMBLY

2 2 2	**XXX**	**X**
Model		
A	135	
B	760	
C	765	
D	766	
Voltage		
110 V 50 Hz		5
220 V 50 Hz		6
115 V 60 Hz.		7
255 V 60 Hz		8
24 V c. c.		9

Accessories

Description	Reference
Base plate Cetop 5	2012555

Order example

2227606	Inverter Model B	Voltage 220 V 50 Hz