

# **DIRECT OPERATED SOLENOID VALVE**



Connector to be ordered separately, see sect. 20

The direct acting, normally closed 2-way 2 position bi-directional electric control valve releases pressure and enables fluid to flow through the valve in both directions.

The bi-directional tapered poppet is in tempered and ground steel.

The valves work with DC coils whereas RAC coils with a connector with incorporated rectifier must be used for AC applications.

CRD0418NC - CRD0422NC: nickel-plated steel sleeve.

CRD04NC: phosphate-coateing steel sleeve.

### **FEATURES**

CKD 04 22 NC = 300 bar CRD 04 18 NC = 210 bar CRD 04 NC = 250 bar
CRD 04 22 NC /18 NC = 15 I/min CRD 04 NC = 30 I/min
2 Hz
100% ED
0 ÷ 1 cm³/min
DIN 51524 Mineral oils
10 ÷ 500 mm²/s
-25°C ÷ 75°C
-25°C ÷ 60°C
ISO 4406:1999 - class 19/17/14
280µm
IP65
CRD 04 18 NC = 0.27 kg CRD 04 22 NC = 0.35 kg CRD 04 NC = 0.63 kg
25 ÷ 30 Nm
7 Nm
CD018006 (See section 17)
CD018012 (See section 17)

## HYDRAULIC SYMBOLS



Reduction for cavity type "B"

V89B30000 Spare code

\* Max. pressure with reduction: Unidirectional  $2 \rightarrow 1 = 300$  bar Bidirectional  $2 \rightarrow 1$  and  $1 \rightarrow 2 = 210$  bar



9

# **PRESSURE DROPS**

#### **LIMITS OF USE**



The tests were carried out with the solenoids at operating temperature, with a supply voltage 10% below nominal value and with a 40°C fluid temperature. The fluid used is a mineral oil with viscosity of 46 mm<sup>2</sup>/s at 40°C.

### **ORDERING CODE**

