



## CDL046... STACKABLE CIRCUIT SELECTOR VALVES

The stackable circuit selector valves, type CDL.04.6, allows one single drive of 5 users with 4 elements connected in series.

As they are moved from high performances solenoids they don't need the external drainage.

Additionally, beyond having a reduced and compact dimensions, they can manage high hydraulic powers with a minimal pressure drop. The body valve is white zinc plated.

|                          |   |
|--------------------------|---|
| Max. pressure            | 250 bar   |
| Max. flow                | 20 l/min  |
| Overlap                  | positive  |
| Hydraulic fluids         | Mineral oils DIN 51524  |
| Fluid viscosity          | 10 ÷ 500 mm <sup>2</sup> /s   |
| Fluid temperature        | -25°C ÷ 75°C  |
| Ambient temperature      | -25°C ÷ 60°C  |
| Max. contamination level | class 10 in accordance NAS with 1638 with filter β <sub>25</sub> ≥ 75 |
| Weight                   | see "Overall dimension"   |

|                     |             |
|---------------------|-------------|
| <b>CDL046...</b>    |             |
| "A09" DC Coils      | CAP. I • 73 |
| CONNECTORS STANDARD | CAP. I • 20 |

### ORDERING CODE

|            |                                  |
|------------|----------------------------------|
| <b>CDL</b> | Stackable circuit selector valve |
| <b>04</b>  | Size NG04                        |
| <b>6</b>   | No. of way (single element)      |
| <b>W</b>   | Threaded connectors 1/4" BSP     |
| <b>I</b>   | Internal drainage                |
| <b>*</b>   | No. of elements: 1 / 2 / 3 / 4   |
| <b>*</b>   | Voltage (Tab. 1)                 |
| <b>**</b>  | Variants (Tab. 2)                |
| <b>1</b>   | Serial No.                       |

**TAB.1 - A09 (27 W) COIL**

| DC VOLTAGE ** |                 |
|---------------|-----------------|
| <b>L</b>      | 12V             |
| <b>4</b>      | 14V             |
| <b>M</b>      | 24V             |
| <b>N</b>      | 48V*            |
| <b>P</b>      | 110V*           |
| <b>Z</b>      | 102V*           |
| <b>X</b>      | 205V*           |
| <b>W</b>      | Without DC coil |

115Vac/50Hz  
120Vac/60Hz  
with rectifier

230Vac/50Hz  
240Vac/60Hz  
with rectifier

Voltage codes are not stamped on the plate, they are readable on the coils.

\* Special voltage  
\*\* Technical data see page CAP. I • 73

- The AMP Junior coil, the Deutsch coil with bidirectional diode and the coil with flying leads (with or without diode) coils are available in 12V or 24V DC voltage only.

**TAB. 2 - VARIANTS**

| VARIANT                                      | CODE      |
|--|-----------|
| No variant (without connectors)              | S1(*)     |
| Viton  | SV(*)     |
| Rotary emergency button                      | P2(*)(**) |
| Emergency button                             | ES(*)     |
| AMP Junior connection                        | AJ(*)     |
| Bobina con fili (250 mm)                     | FL        |
| with flying leads (130 mm) and integr. diode | LD        |
| Deutsch connection with bidir. diode         | CX        |

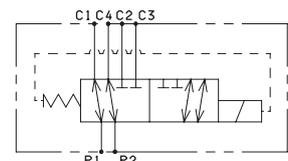
Other variants available on request.

(\*) Coils with Hirschmann and AMP Junior connection supplied without connectors. The connectors can be ordered separately, CAP. I • 20

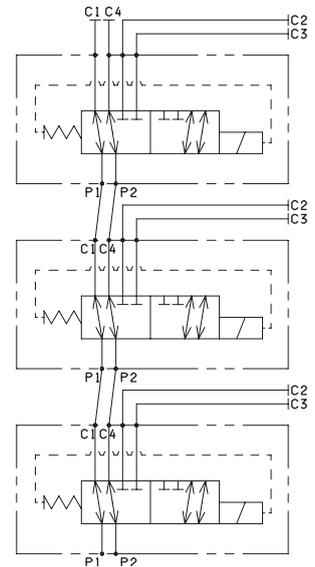
(\*\*) P2 Emergency tightening torque **max. 6÷9 Nm / 0.6 ÷ 0.9 Kgm** with CH n. 22

### HYDRAULIC SYMBOLS

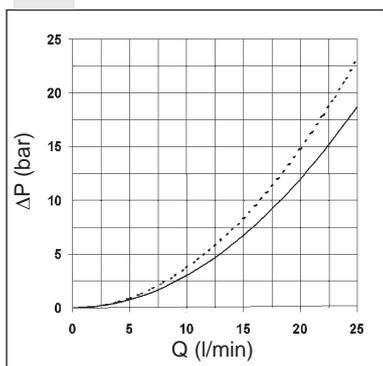
#### SINGLE ELEMENT



#### MULTI STATION CONNECTION

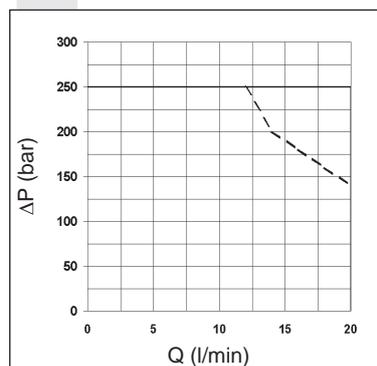


### PRESSURE DROPS



— P1 → C1  
P1 → C2  
- - - P2 → C3  
P2 → C4

### LIMITS OF USE



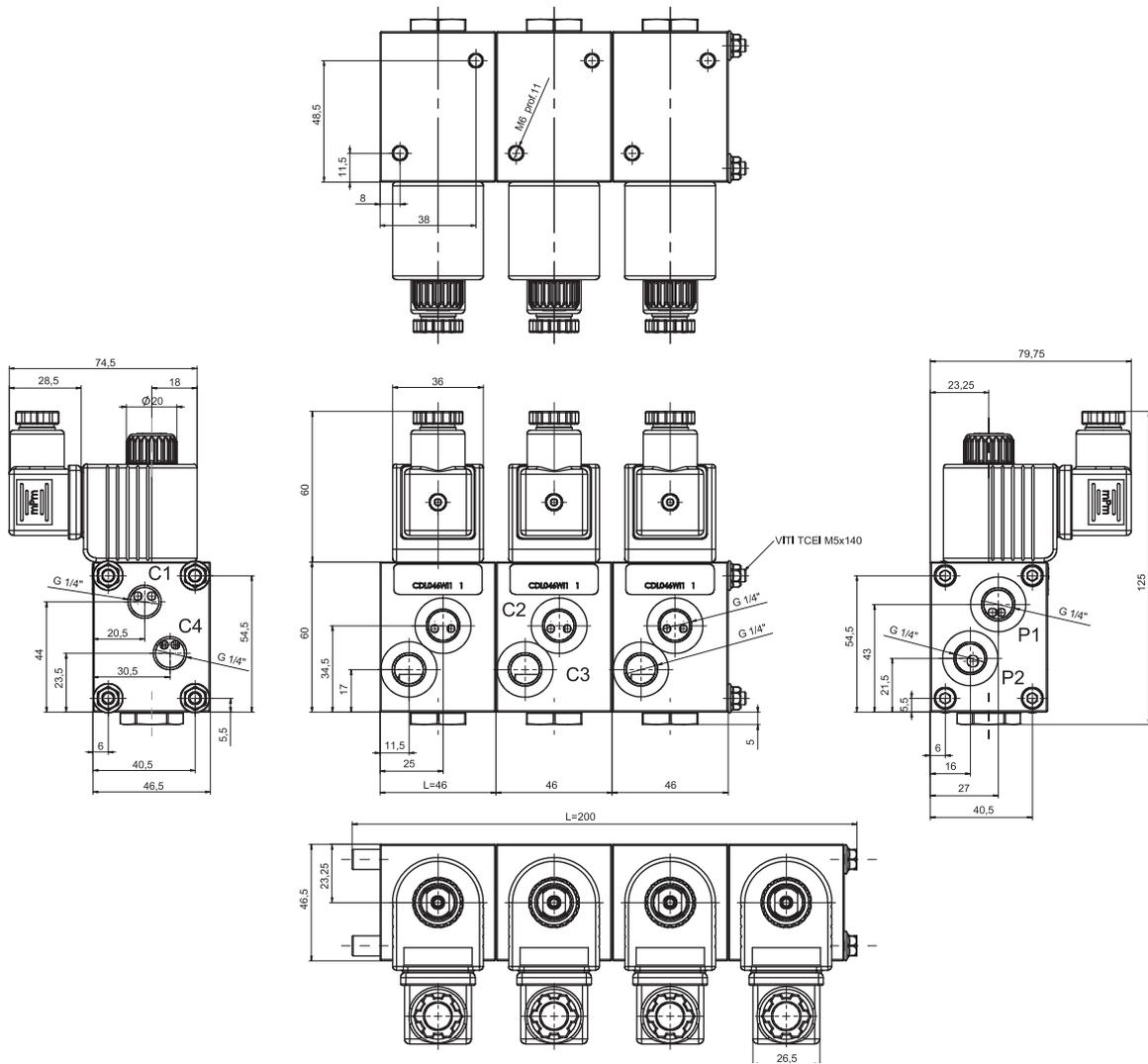
— Energizing  
- - - De-energizing

The tests have been carried out with solenoids at operating temperature and a voltage 10% less than rated voltage with a fluid temperature of 50 °C. The fluid used was a mineral oil with a viscosity of 46 mm<sup>2</sup>/s at 40 degrees C.

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## OVERALL DIMENSIONS

1



Tighten the screws to a torque of 5 Nm (0.5 Kgm)  
Fixing screws with material specifications min. 8.8

| No. of elements | No. of way | L (Length) | Weight (Kg) | Fixing screws              | Kit spare part code* (rods and studs) |
|-----------------|------------|------------|-------------|----------------------------|---------------------------------------|
| 1               | 06         | 46         | 1.05        | —                          | —                                     |
| 2               | 08         | 100        | 2.20        | TCEI M5x95                 | V89.54.0020                           |
| 3               | 10         | 145        | 3.30        | TCEI M5x140                | V89.54.0021                           |
| 4               | 12         | 200        | 4.45        | TCEI M5x194 (special rods) | V89.54.0022                           |

(\*) For multiple composition rods and studs are available.

Support plane specifications

