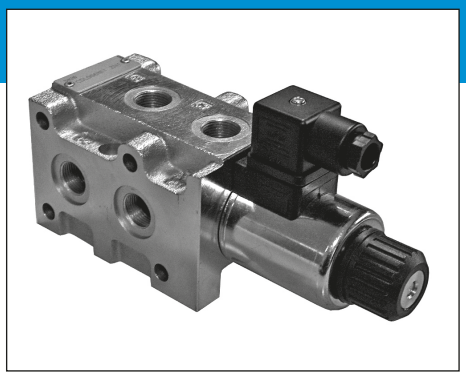
# CDL066... STACKABLE CIRCUIT DIVERTER VALVES



The stackable circuit diverter valves, type CDL.06.6, allows one single drive of 6 users with 5 elements connected in series.
As they are moved from high performances solenoids they don't need the external drainage.
This valves can manage high hydraulic powers with a minimal pressure drop.
Flow diverter valves are not able to act when max flow and max pressure are applied together. In case this is needed, please contact Dana

| | |
|---|---|
| Max. pressure | 250 bar |
| Max. flow | 50 l/min |
| Overlap | negative |
| Hydraulic fluids | Mineral oils DIN 51524 |
| Fluid viscosity | 10 ÷ 500 mm²/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 $ß_{25}≥75$ |
| Weight | see "Overall dimension" |

**CDL066...**



| | | |
|---|---|---|
| "40W" DC COILS | SECT. A | 76 |
| CONNECTORS STANDARD | SECT. L | 15 |



A

## ORDERING CODE

## ORDERING CODE

| | |
|---|---|
| **CDL** | Stackable circuit diverter valve |
| **06** | Size NG06 |
| **6** | No. of way (single element) |
| **W** | Threaded connectors 3/8" BSP |
| **I** | Internal drainage |
| * | No. of elements: **1 / 2 / 3 / 4 / 5** |
| * | Voltage (Tab. 1) |
| ** | Variants (Tab. 2) |
| **1** | Serial No. |

### TAB.1 - 40W COIL

| DC VOLTAGE | |
|---|---|
| **L** | 12V |
| **M** | 24V |
| **W** | Without DC coil |

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

### TAB.2 - VARIANTS

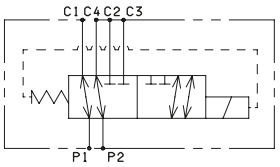
| | |
|---|---|
| No variant (without connectors) | S1(*) |
| FKM | SV(*) |
| Emergency button | ES(*) |
| Rotary emergency button | P2(*) |
| Raccordements Deutsch DT04-2P | CZ |

Other variants available on request.

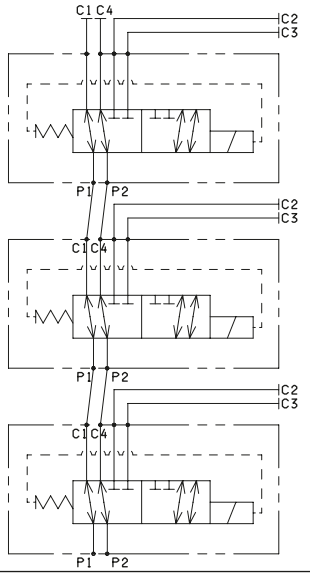
(*) Coils with Hirschmann connection supplied without connectors. The connectors can be ordered separately, SECT. L 15.

## HYDRAULIC SYMBOLS

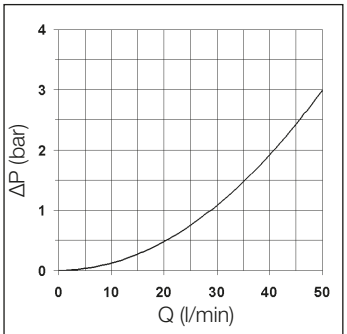
### SINGLE ELEMENT




### MULTISTATION CONNECTION



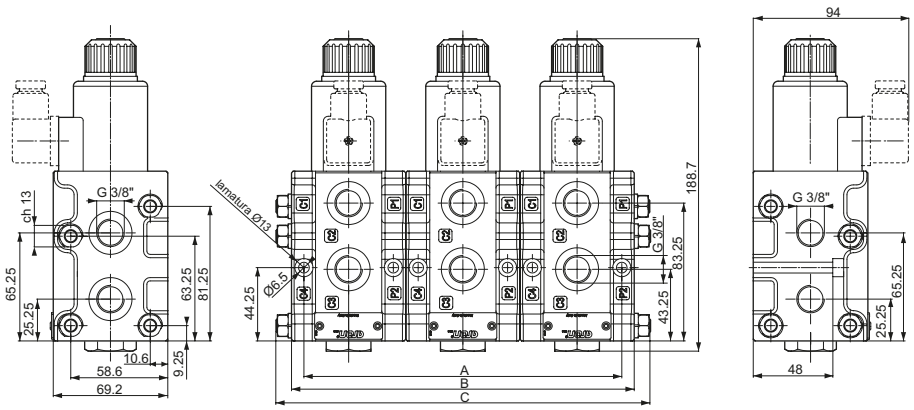

## PRESSURE DROPS




——— P1 → C1, P1 → C2, P2 → C3 e P2 → C4

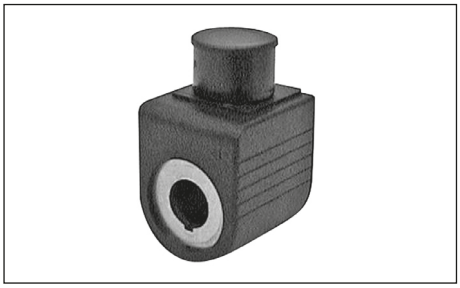
The fluid used is a mineral oil with a viscosity of 46 mm²/s at 40°C; the tests have been carried out at a fluid temperature of 40°C.

## OVERALL DIMENSIONS




Fixing screws ISO 4762 M6x60
with material specifications min. 8.8
Tightening torque for studs 8 Nm / 0.8 Kgm
Tightening torque for rods 20 Nm / 2 Kgm

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

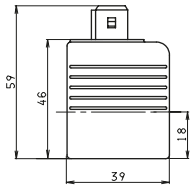


## "A09" DC COILS FOR CDL04...

| | |
|---|---|
| Type of protection (in relation to connector used) | IP 65 |
| Number of cycle | 18.000/h |
| Supply tolerance | ±10% |
| Ambient temperature | -30°C ÷ 60°C |
| Duty cycle | 100% ED |
| Insulation class wire | H |
| Weight | 0,215 Kg |

- 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.

### AMP JUNIOR (AJ)

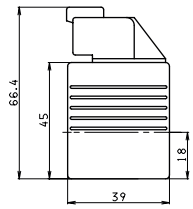



| VOLTAGE (V) | MAX WINDING TEMPERATURE (AMBIENT TEMPERATURE 25°C) | RATED POWER (W) | RESISTANCE AT 20°C (OHM) ±7% |
|---|---|---|---|
| 12V | 123°C | 27 | 5.3 |
| 24V | 123°C | 27 | 21.3 |
| 48V* | 123°C | 27 | 85.3 |
| 102V(*)(**) | 123°C | 27 | 392 |
| 110V(*)(**) | 123°C | 27 | 448 |
| 205V(*)(**) | 123°C | 27 | 1577 |

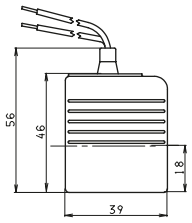
* Special voltages

** The european low voltage directive is applied to electronical equipments used at a nominal voltages between 50 and 1000 VAC or 75 and 1500 VDC. In conformity with the low directive each part of the manifold or the subplate on which the valve is mounted should be connected to a protective earth with a resistence less than 0.1 ohms.

### DEUTSCH COIL WITH BIDIR. DIODE (CX) DT04 - 2P

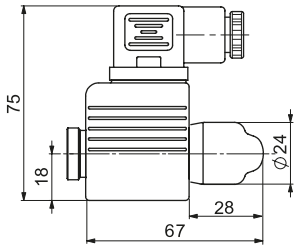



### FLYING LEADS (FL) LEADS WITH DIODO (LD)

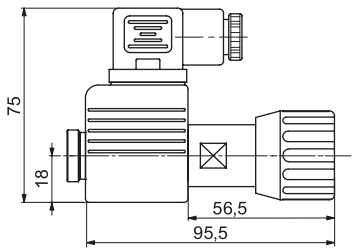



### EMERGENCY (COILS WITH HIRSCHMANN CONNECTION)

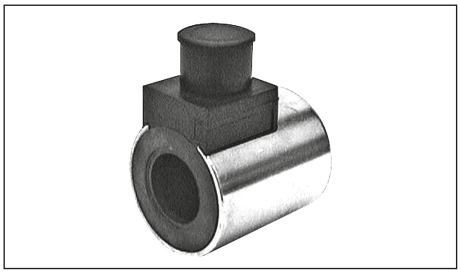
MANUAL WITHOUT CONN. (ES)
MANUAL WITH CONN. (E1)




ROTARY WITHOUT CONNECTOR (P2*)
ROTARY WITH CONNECTOR (P1*)




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



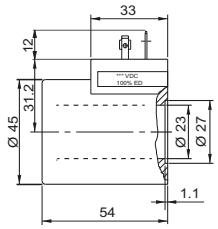
## "D15" DC COILS FOR ADL06... AND A66..

| | |
|---|---|
| Type of protection (in relation to the connector used) | IP 66 |
| Number of cycles | 18.000/h |
| Supply tolerance | ±10% |
| Ambient temperature | -25°C ÷ 60°C |
| Duty cycle | 100% ED |
| Insulation class wire | H |
| Weight | 0,354 Kg |

- AMP Junior coils (with or without diode) and coils with flying leads and coils type Deutsch, are available in 12V or 24V DC voltage only.
- The pastic type coil (BR variant) is available in 12V, 24V, 28V or 110V DC voltage only.

- Emergency, plastic coil, and Amp Junior, leads or deutch coils, are not available for A66 valve.

### ECOAT COIL (RS)

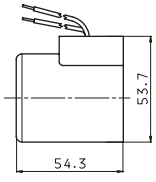



| VOLTAGE (V) | MAX WINDING TEMPERATURE (AMBIENT TEMPERATURE 25°C) | RATED POWER (W) | RESISTANCE AT 20°C (OHM) ±10% |
|---|---|---|---|
| 12V | 110°C | 30 | 4.8 |
| 24V | 110°C | 30 | 18.8 |
| 28V* | 110°C | 30 | 25.6 |
| 48V* | 110°C | 30 | 75.2 |
| 102V(*)(**) | 110°C | 30 | 340 |
| 110V(*)(**) | 110°C | 30 | 387 |
| 205V(*)(**) | 110°C | 30 | 1375 |

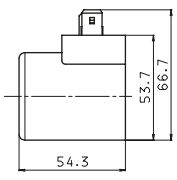
* Special voltages

** The european low voltage directive is applied to electronical equipments used at a nominal voltages between 50 and 1000 VAC or 75 and 1500 VDC. In conformity with the low directive each part of the manifold or the subplate on which the valve is mounted should be connected to a protective earth with a resistence less than 0.1 ohms.

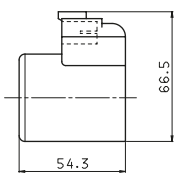
### FLYING WITH LEADS COIL (SL)




### AMP JUNIOR (AJ) AJ + DIODE (AD)

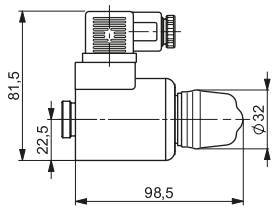



### DEUTSCH DT04 - 2P (CZ) CZ + ECOAT (R6)




### EMERGENCY (COILS WITH HIRSCHMANN CONNECTION)

MANUAL WITHOUT CONNECTOR (ES)




ROTARY WITHOUT CONNECTOR (P2)

