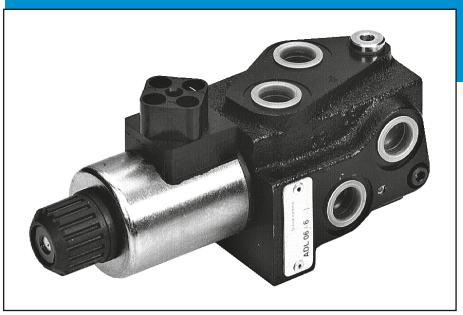
ADL066... FLOW DIVERTER VALVES

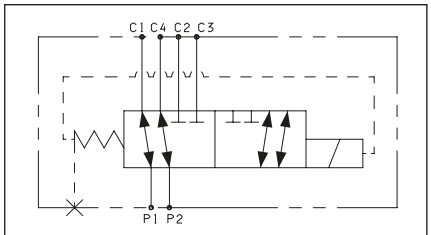


ADL066...

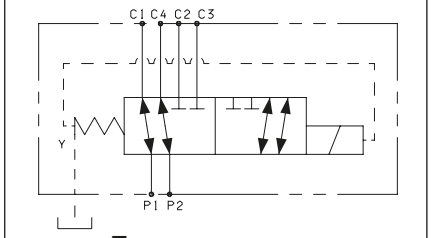
"D15" DC COILS	SECT. A	75
STANDARD CONNECTORS	SECT. L	15

The 6 way flow diverter valves are special solenoid valves which allow the simultaneous connection of two systems.
In order to obtain valve's working at pressure of 250 bar up to 320 bar (exeternal drainge) the G 1/8 BSPP plug must be removed to Y connector. Standard housing phosphated , available Zinc Nikel housing with port G3/8 for 700h NSS resistance and ECoat D15 coils.
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 (without drainage, Y pluged)	250 bar
Max. pressure (external drainage)	320 bar
Max. flow	40 l/min
Overlap	negative
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 with NAS 1638 with filter $\beta_{25} \geq 75$
Weight	2,4 Kg



DRAINAGE PLUGGED



EXTERNAL DRAINAGE

ORDERING CODE

ADL06	Flow diverter valves NG6
6	No. of way
*	Threaded ports **W** = G3/8 BSPP **P** = G3/8 JIS B 2351
I	Drainage plugged
*	Voltage (see table 1)
**	Variants (see table 2)
3	Serial No.

TAB.2 - VOLTAGE

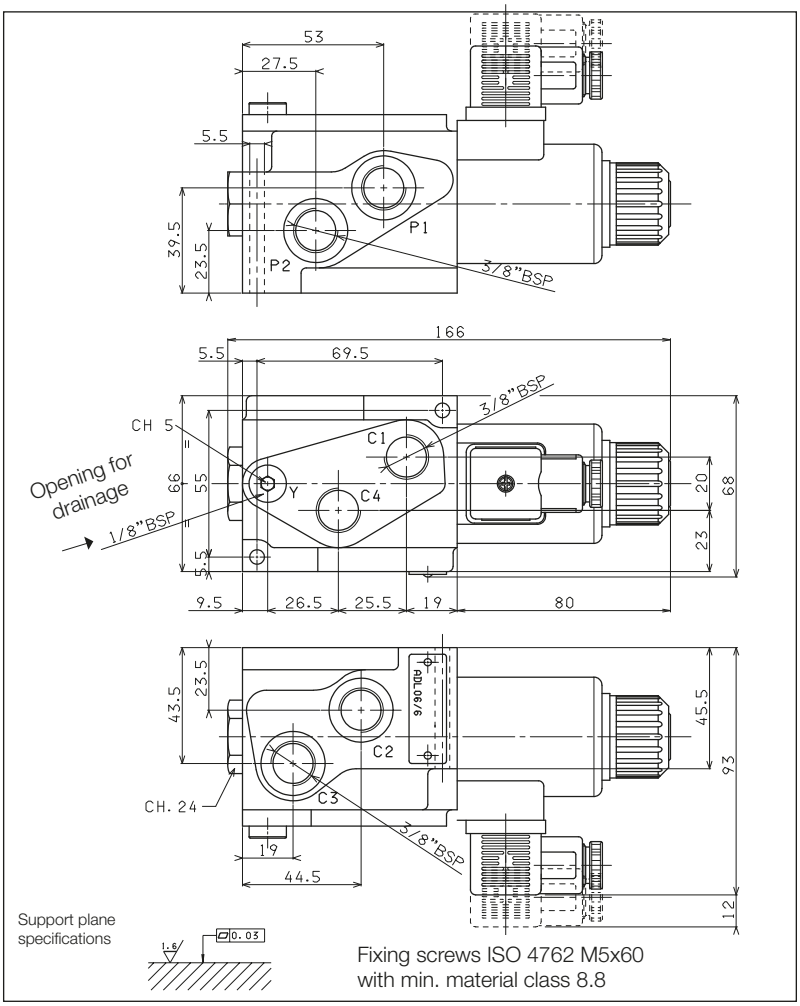
D15 COIL (30W) **

L	12V	
M	24V	
V	28V*	115Vac/50Hz 120Vac/60Hz with rectifier
N	48V*	
Z	102V*	230Vac/50Hz 240Vac/60Hz with rectifier
P	110V*	
X	205V*	
W	Without DC coils and connectors	

Voltage data printed on coil

* Special voltage
** Technical data see SECT. A 75

- Coil with connections: AMP Junior - Deutsch DT042P - flying leads and diode are available only in 12 - 24 VDC.
- Plastic type coils are available in 12V, 24V, 28V or 110V DC voltage only.



Fixing screws ISO 4762 M5x60 with min. material class 8.8

TAB.2 - VARIANTS

EN 175301-803 connection	S1
EN 175301-803 conn. with FKM sealing	SV
EN 175301-803 conn. with emergency button	ES
EN 175301-803 conn. with rotary emergency	P2
AMP Junior connection	AJ
AMP Junior conn. and integrated diode	AD
Flying leads (175mm)	SL
Deutsch DT04-2P Connection	CZ
EN 175301-803 conn. D15 plastic type	RS

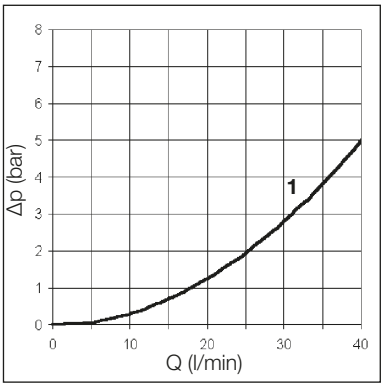
Other variants available on request.

Valve provided without connectors. The connectors can be ordered separately, SECT. L 15.

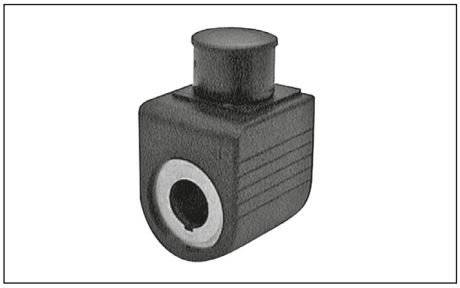
PRESSURE DROPS

Curve n° 1:

P1 → C1
P1 → C2
P2 → C3
P2 → C4



Measured with hydraulic fluid at 40°C and viscosity 46 mm²/s

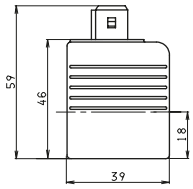


"A09" DC COILS FOR CDL04...

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)

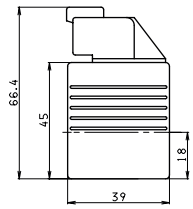


VOLTAGE (V)	MAX WINDING TEMPERATURE (AMBIENT TEMPERATURE 25°C)	RATED POWER (W)	RESISTANCE AT 20°C (OHM) ±7%
12V	123°C	27	5.3
24V	123°C	27	21.3
48V*	123°C	27	85.3
102V(*)(**)	123°C	27	392
110V(*)(**)	123°C	27	448
205V(*)(**)	123°C	27	1577

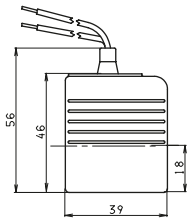
* Special voltages

** 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

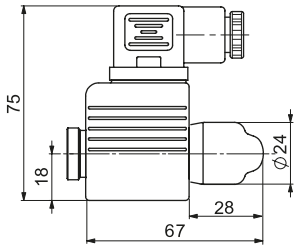


FLYING LEADS (FL) LEADS WITH DIODO (LD)

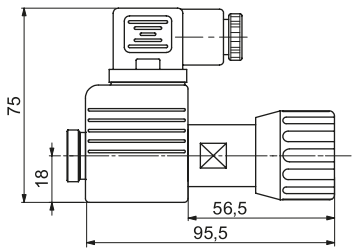


EMERGENCY (COILS WITH HIRSCHMANN CONNECTION)

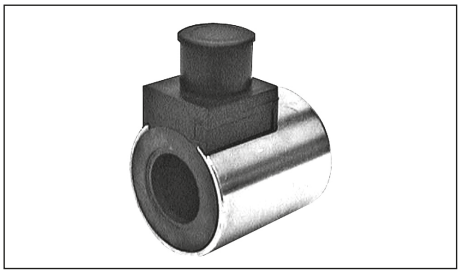
MANUAL WITHOUT CONN. (ES)
MANUAL WITH CONN. (E1)



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



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



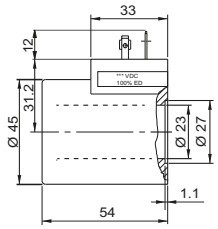
"D15" DC COILS FOR ADL06... AND A66..

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)

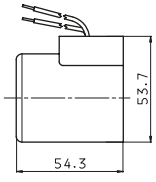


VOLTAGE (V)	MAX WINDING TEMPERATURE (AMBIENT TEMPERATURE 25°C)	RATED POWER (W)	RESISTANCE AT 20°C (OHM) ±10%
12V	110°C	30	4.8
24V	110°C	30	18.8
28V*	110°C	30	25.6
48V*	110°C	30	75.2
102V(*)(**)	110°C	30	340
110V(*)(**)	110°C	30	387
205V(*)(**)	110°C	30	1375

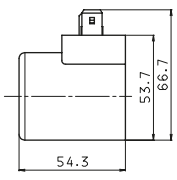
* Special voltages

** 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.

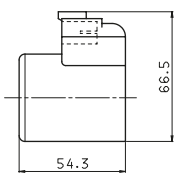
FLYING WITH LEADS COIL (SL)



AMP JUNIOR (AJ) AJ + DIODE (AD)

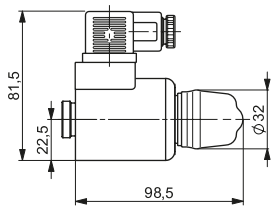


DEUTSCH DT04 - 2P (CZ) CZ + ECOAT (R6)



EMERGENCY (COILS WITH HIRSCHMANN CONNECTION)

MANUAL WITHOUT CONNECTOR (ES)



ROTARY WITHOUT CONNECTOR (P2)

