



CDL.04.6...

A09 DC COIL Ch. I PAGE 61

CONNECTORS STANDARD Ch. I PAGE 21

ORDERING CODE

CDL Bankable circuit selector valve

04 Size NG04

6 No. of way
(single element)

W Threaded connectors
1/4" BSP

I Internal drainage

***** No. of elements: **1 / 2 / 3 / 4**

***** Voltage (Tab. 1)

****** Variants (Tab. 2)

1 Serial No.

CDL.04.6... BANKABLE CIRCUIT SELECTOR VALVES



HYDNET

ab

The bankable 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.

Max. pressure	250 bar
Max. flow	20 l/min
Overlap	positive
Hydraulic fluids	Mineral oils DIN 51524
Fluid viscosity	10 ÷ 500 mm ² /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 $\beta_{25} \geq 75$
Weight	see "Overall dimension"

TAB.1 - A09 COIL

DC VOLTAGE

L	12V	110Vac/50Hz 120Vac/60Hz with rectifier
M	24V	
N	48V*	220Vac/50Hz 240Vac/60Hz with rectifier
P	110V*	
R	98V*	
S	196V*	
W	Without DC coil	

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

Note: the AMP Junior coil, and coil with flying leads, and coil with flying lead variants are available in 12V or 24V DC voltage only.

* Special voltage

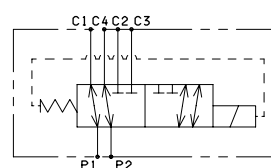
TAB.2 - VARIANTS

No variant	00
(connectors as in the drawing)	
Viton	V1
Pilot light	X1
Rectifier	R1
Flow diversion without connector (coil)	S1
Cable gland "PG 11"	C1
Viton + Pilot light	VX
Viton + Rectifier	VR
Pilot light + Rectifier	XR
Emergency button	E1
Rotary emergency button	P1
AMP Junior coil	AJ(1)
Coil with flying leads (250 mm)	FL(1)
Coil with flying leads (150 mm) and integrated diode	LD(1)

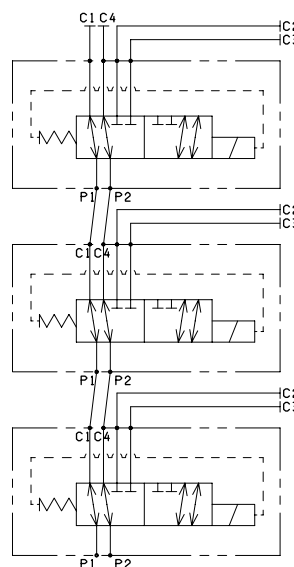
(1) These variants are available in 12V or 24V voltage only

HYDRAULIC SYMBOLS

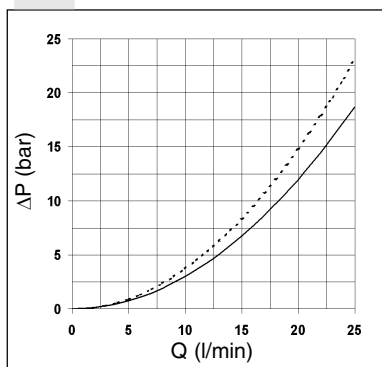
SINGLE ELEMENT



MULTI STATION CONNECTION

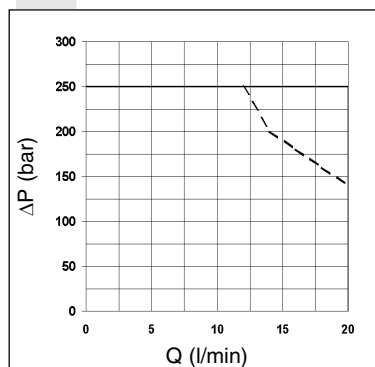


PRESSURE DROPS



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

LIMITS OF USE



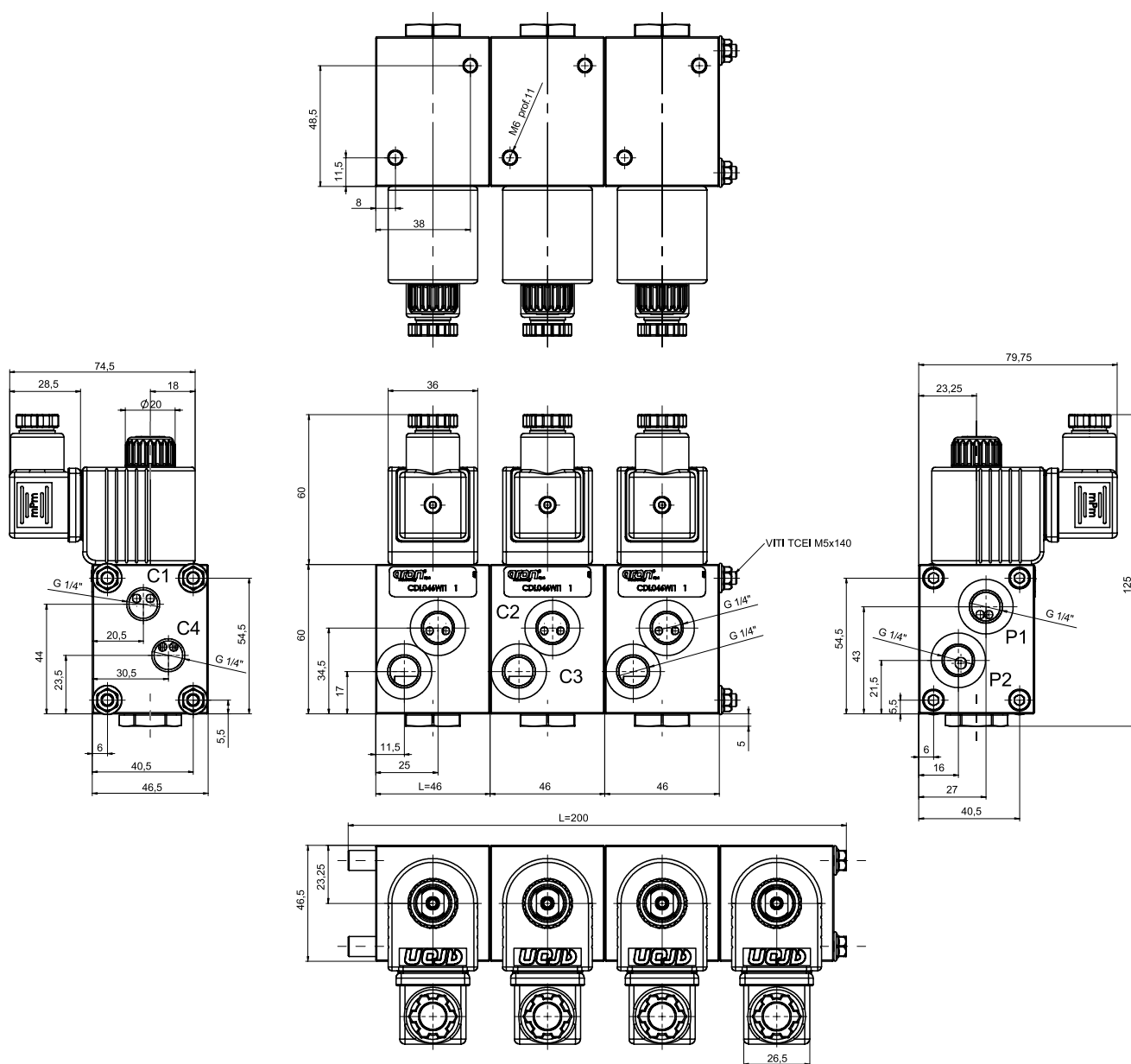
— Energizing
- - - De-energizing

Leakages: ≤ 10 cc/min with rest carried out at a fluid temperature of 40°C with a pressure at 200 bar; the fluid used was a mineral based oil with viscosity of 46 mm²/s at 40° C.

The tests have been carried out with solenoids at a temperature of 50 °C 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 mm²/s at 40 degrees C.

OVERALL DIMENSIONS

1

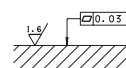


Tighten the screws to a torque of 5 Nm (0.5 Kgm)

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

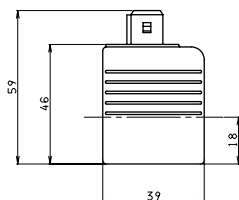
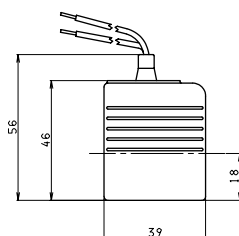
(*) For multiple composition rods and studs are available.

Support plane specifications





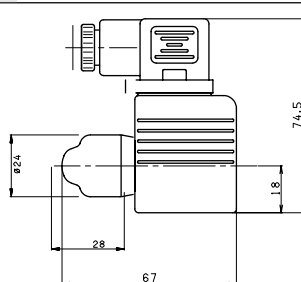
COIL WITH AMP JUNIOR

COIL WITH FLYING LEADS,
AND WITH INTEGRATED DIODE VERSION

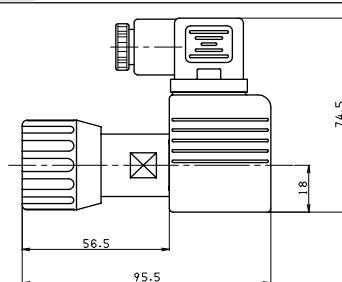
File: ETA09000

00/2001/e

E1 VARIANT WITH MAN. EMERGENCY



P1 VARIANT WITH ROT. EMERGENCY



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

H

Weight

0,215 Kg

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
98V*	123°C	27	355
110V*	123°C	27	448
196V*	123°C	27	1422

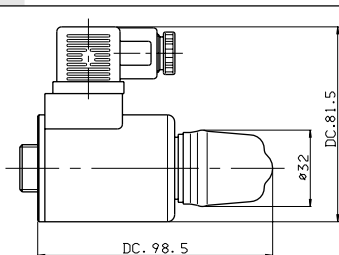
* Special voltage

Note: the AMP Junior coil, and coil with flying leads and coil with flying lead variants are available in 12V or 24V DC voltage only

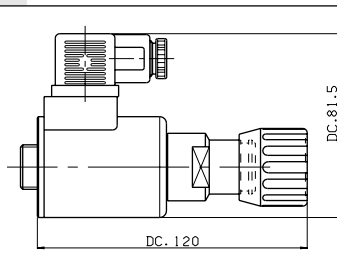


DC COIL D15 FOR ADL06...

E1 VARIANT WITH MAN. EMERGENCY



P1 VARIANT WITH ROT. EMERGENCY



Type of protection (in relation to the connector used)

IP 66

Number of cycles

18.000/h

Supply tolerance

+10% / -10%

Ambient temperature

-54°C ÷ 60°C

Duty cycle

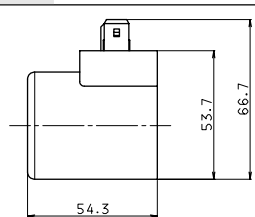
100% ED

Insulation class

H

Weight

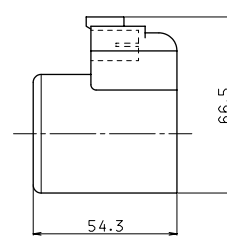
0,354 Kg

WITH AMP JUNIOR
WITH AMP J. AND DIODE

Voltage (V)	Max. winding temp. (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

DEUTSCH COIL TYPE



CONNECTORS FOR AD.*.*. TYPE DIRECTIONAL CONTROL VALVES IN ACCORDANCE WITH DIN 43650 / ISO 4400 STANDARDS

1



CONNECTOR

VOLTAGE
*SPECIAL VOLTAGE

ORDERING CODE

CODE
(VARIANTS)

STANDARD

Grey (side A)
Black (side B)

V86.05.0004
V86.05.0002

No variant

TYPE WITH CABLE GLAND PG 11

Grey (side A)
Black (side B)

V86.05.0008
V86.05.0006

C1



LENS COVER WITH PILOT LIGHT

X1

(sides A and B)

12 VAC/VDC
24 VAC/VDC
110 VAC/VDC
230 VAC/VDC

V86.10.0018
V86.10.0012
V86.10.0020
V86.10.0022



WITH RECTIFIER

R1

Grey (side A)

V86.20.0004

Black (side B)

V86.20.0002

Inlet voltage: 12÷220VAC
Rectified voltage: 9÷200VDC



LENS COVER WITH PILOT LIGHT AND RECTIFIER

XR

(sides A and B)

12 VAC
24 VAC
48 VAC*
98 VAC*
196 VAC*

V86.25.0018
V86.25.0019
V86.25.0020
V86.25.0021
V86.25.0022