ORDERING CODE

AD 5

Directional valve

CETOP 5/NG10

**

*

** 2

Type of operator (tab.1)

Mounting type (tab.2)

Voltage / Specification (tab.3)

Spools (see tables on page I•31)

Variants (tab.4)

Serial No.

TAB.1 - TYPE OF OPERATOR

- Ε Electrical
- D Direct mechanical
- 0 Oleo-pneumatic

Tab.3 - Voltage / Specification

Operator	Voltage Specs.	Description	Note	
	Α	24V/50Hz		
	В	48V/50Hz*		
	J	115V/50Hz - 120V/60Hz	AC Voltage **	
	Υ	230V/50Hz - 240V/60Hz	(Technical data see page	
	E	240V/50Hz*	I • 36)	
	F	24V/60Hz*		
	K	Without AC coils		
	L	12V		
E	M	24V		
_	N	48V*		
	Р	110V*	DC Voltage ** (Technical data see page I • 36)	
	z	102V* 115Vac/50Hz 120Vac/60Hz with rectifier		
	x	205V* 230Vac/50Hz 240Vac/60Hz with rectifier		
	W	Without DC coils		
D	Z	standard	_	
0	Z	standard	_	
	Z	valve with lever	_	
	Х	valve without lever	<u> </u>	

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

TAB.**2** MOUNTING

	IVIOUNTING		
Standard			
С	a A O B Wb		
D	a/AB		
E	a/AOW		
F	WOB TH		
Spec	CIALS (WITH PRICE INCREASING)		
G	WAO TO		
Н	a/OBW		
ı	a/AO\b		
L	a/OB\b		
M	a/AB\b		

- Mounting type D is only for valves with detent
- In case of mounting D with detent a maximum supply time of 2 sec is needed (only for AC coils).
- The springs for the version with detent (mounting **D**) are different from those for standard versions.

TAB.4 - VARIANTS

I•36
32- 1•35
I•36
I•33

- ◊ = Maximum counter-pressure on T port: 4 bar Microswitch type AM1107 code V79000001 can be ordered separately.
- ♦ = Variant codes stamped on the plate
- (*) Coils with Hirschmann connection supplied without connectors. The connectors can be ordered separately, ch. I page 20.

Two solenoids, spring centred "C" mounting			
Spool type	MA OB W	Covering	Transient position
01		+	
02		•	XHHHI
03		+	
04*		-	
05		+	XZELI
66	a/XIIII	+	
06		+	
07*		+	
08*	a/IIII b	+	
10*	ay I I I I I I	+	
22*		+	
11*	a TIII b	+	87.11.10
12*		+	
13*		+	
14*		-	DEFFX
28*		-	MARITIM

0	ONE SOLENOID, SIDE A "E" MOUNTING			
Spool type	a/A O	Covering	Transient position	
01		+		
02	a/ X I	•		
03		+		
04*		•		
05		+	XXE	
66	a/ XI	+	X 1.1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
06		+	XIII	
08*		+		
10*		+	EKK	
12*	a//ii	+		
15	a/ X I I	•	XHII	
16	a/ X I I	+	X1.1	
17	a//i i	+	Z1.11.1	
14*	a/	•	MH	
28*	a/	-		

STANDARD SPOOLS

- (*) Spool with price increasing
- \bullet With spools 15 / 16 / 17 only the mounting E / F are possible
- 19 / 20 / 21 spool not planned for AD.5.E...J*
- For lever operated the spools used are different. Available spools for this kind of valve see AD5L..

0	ONE SOLENOID, SIDE B "F" MOUNTING			
Spool type	W O B b	Covering	Transient position	
01	WHILE	+		
02	W	-		
03	W####	+		
04*	WHIXT	-		
05		+	ELI	
66	WIII I	+		
06	W###	+	SEI	
08*	WHILE	+		
10*	W####	+		
22*	WHILE	+		
12*	WHILE	+		
13*	WHILE	+		
07*	WHILE	+		
15	~XIII-	-	XHII	
16	***	+	X1.1	
17	w###	+		
14*	~\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	-	EXX	
28*	wttXI-	-		

Two solenoids "D" mounting			
Spool type	a/AB\b	Covering	Transient position
19*		-	
20*	a/ W b	+	7.7.7
21*	a/ III TW	+	



Max. pressure ports P/A/B
Max. pressure port T
Max. flow
Min. operating pressure
Max. operating pressure
Fluid viscosity
Fluid temperature
Ambient temperature
Max. contamination level

Weight (single pilot)

Weight (twin pilot)

 $\begin{array}{c} 160 \text{ bar} \\ 100 \text{ l/min} \\ 4 + [0.027 \text{ x (pt*)}] \text{ bar - see note} \\ 200 \text{ bar} \\ 10 \div 500 \text{ mm}^2\text{/s} \\ -25^{\circ}\text{C} \div 75^{\circ}\text{C} \\ -25^{\circ}\text{C} \div 60^{\circ}\text{C} \\ \text{class 10 in according with NAS} \\ 1638 \text{ with filter } \beta_{25}\text{>}75 \\ 4,1 \text{ Kg} \end{array}$

320 bar

5,4 Kg

 Possible mounting: Hydraulic control: C / D / E / F / G / H / I / L / M
 Pneumatic control: I / L / M

• Ordering code see page I•30

(pt*) = Pressure at port T

OVERALL DIMENSIONS

