

voltage only.

\* Special voltage

\*\* Technical data see page Cap. I • 19

• In case of **mounting D** with detent a maximum supply time of 2 sec is needed (only for AC coils).

BREVINI

Motion Systems

#### TAB.3 - VARIANTS

Variant	CODE	٠	PAGE
No variant (without connectors)	S1(*)		
Viton	SV (*)		
Emergency control lever for directional control valves type ADC3 and AD3E	LE-LF-AX-CE(	*) ♦	Cap. I • 21
Emergency button	ES(*)		Cap. I • 19
Rotary emergency button	P2(*)		Cap. I • 19
Rotary emergency button (180°)	R5(*)		Cap. I • 19
Preset for microswitch (E/F/G/H mounting only) (see below note 0)	M1(*)	•	Cap. I • 11 - Cap. I • 15
5 micron clearance	SQ(*)	•	
Spool movement speed control (only VDC) with ø 0.3 mm orifice	3S(*)	•	Cap. I • 12
Spool movement speed control (only VDC) with ø 0.4 mm orifice	JS(*)	•	Cap. I • 12
Spool movement speed control (only VDC) with ø 0.5 mm orifice	5S(*)	•	Cap. I • 12
Spool movement speed control (only VDC) with ø 0.6 mm orifice	6S(*)	•	Cap. I • 12
AMP Junior coil - for12V or 24V DC voltage only	AJ(*)		Cap. I • 19
AMP Junior coil and integrated diode - for12V or 24V DC voltage only	AD(*)		Cap. I • 19
Coil with flying leads (175 mm) - for12V or 24V DC voltage only	SL		Cap. I • 19
Hirschmann coil eCoat surface treatment - for 12V, 24V, 28V or 110V DC voltage only	RS(*)		Cap. I • 19
Deutsch DT04-2P connection eCoat surface treatment - for 12V, 24V DC voltage only	R6		Cap. I • 19
High corrosion resistance valve - Hirschmann connector	KJ		Cap. I • 13
High corrosion resistance valve - Deutsch DT04-2P connector - for 12V, 24V DC voltage only	7J		Cap. I • 13
Deutsch DT04-2P coil - for12V or 24V DC voltage only	CZ		Cap. I • 19
Other variants available on request.			
<ul> <li>♦ = Maximum counter-pressure on T port: 8 bar - Microswitch type MK code 1319098 must b</li> <li>♦ = Variant codes stamped on the plate</li> </ul>	e ordered separ	rately	<i>I</i> .

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

Two solenoids, spring centred "C" mounting				
Spool type		Covering	Transient position	
01	MATTING	+		
02		-		
03		+		
04*		-		
44*		-		
05	#XHIM	+		
66	*XIII	+		
06		+		
07*	XIII	+		
08*		+		
09*		+		
10*	MARKA ING	+		
22*	MATER	+		
11*		+		
12*		+		
13*		+		
14*	MILLIX ME	-		
28*		-		

ONE SOLENOID, SIDE A "E" MOUNTING			
Spool type		Covering	Transient position
01		+	
02		-	
03		+	
04*		-	
44*		-	
05		+	XIZE
66		+	
06		+	
08*		+	
10*		+	
12*		+	
15		-	
16		+	
17		+	
14*		-	
28*		-	

# DIRECTIONAL CONTROL VALVES STANDARD SPOOLS CETOP 3/NG6

### Νοτε

(\*) Spool with price increasing

- $\bullet$  With spools 15 / 16 / 17 only mounting E / F are possible
- $\bullet$  16 / 19 / 20 / 21 spool not planned for AD3E...J\*

• For lever operated the spools used are different.

Available spools for this kind of valve see AD3L..

ONE SOLENOID, SIDE B "F" MOUNTING			
Spool type		Covering	Transient position
01		+	
02		-	
03		+	
04*	wtiXpe	-	
44*		-	
05		+	
66		+	
06		+	
08*		+	
09*		+	
10*		+	
22*	wiilie	+	
12*		+	
13*		+	
07*		+	
15		-	
16		+	
17		+	
14*		-	
28*		-	

Two solenoids "D" mounting				
Spool type		Covering	Transient position	
19*	az XIII	-		
20*	az XIII	+		
21*		+		



# AD3E... DIRECTIONAL CONTROL VALVES SOLENOID OPERATED CETOP 3/NG6



A max. counter-pressure of 8 bar at T is permitted for the variant with a microswitch (**M1**). (1) Dynamic pressure allowed on P for 1 million of cycles. (2) DC: Dynamic pressure allowed for 2 millions of cycles. AC: Dynamic pressure allowed for 350 000 of cycles.

AC: Dynamic pressure allowed for 350.000 of cycles For dynamic pressure of 100 bar are allowed 1 milion cycles.

### **OVERALL DIMENSIONS**



(3) For high differential pressure please contact our technical department.



### LIMITS OF USE (MOUNTING C-E-F)

The tests have been carried out with solenoids at operating temperature and a voltage 10% less than rated voltage with a fluid temperature of 40°C. The fluid used was a mineral oil with a viscosity of 46 mm<sup>2</sup>/s at 40°C. The values in the diagram refers to tests carried out with the oil flow in two directions simultaneously T = 2 bar (e.g., from P to A and the same time B to T). In the case where valves 4/2 and 4/3 were used with the flow in one direction only, the limits of use could have variations which may even be negative. Rest times: the values are indicative and depend on following parameters: hydraulic circuit, fluid used and variations in hydraulic scales (pressure P, flow Q, temperature T). The limit of use for AC solenoids were detected with 50 Hz power.



