

C3V.03...

C3V.03... CARTRIDGE SOLENOID VALVES 3 WAY 2 POSITIONS



Max. pressure		250 bar
Max. flow		20 l/min
Max. excitation frequency		2 Hz
Duty cycle		100% ED
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 with	NAS 1638 with filter B ₂₅ ≥75
Type of protection (in relation	on to the connector used)	ĨP 65
Weight (with coil)		0,37 Kg
Cartridge tightening torque		45 ÷ 50 Nm / 4.5 ÷ 5 Kgm
Coil ring nut tightening torq	ue	4.5 Nm (0.45 Kgm)

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"A09" DC co TAB.1 - SPOOL SCHEME STANDARD CO CODE HYDRAULIC SYMBOL **O**RDERING CODE **1D** C3V Cartridge 3 way / 2 positions 1E

Tab.2 - A09 (27 W) Coil **DC** VOLTAGES 12V 115Vac/50Hz M 24V 120Vac/60Hz 48V* with rectifier Ν 110V* 230Vac/50Hz 240Vac/60Hz Z 102V* **∢** 205V***←** with rectifier X Without DC coils * Special voltages

03 27W Coil ** Scheme (see Tab. 1) Ε Seat

> Type of connection H = Hirschmann coil

*

1

A = AMP Junior coil

F = Coil with flying leads (250 mm)

I = Coil with flying leads (130 mm) and integrated diode

D = Deutsch coil

Voltage (see Tab. 2)

00 = No variant

S1 = Without conn. Hirschmann

R1 = Rectifier

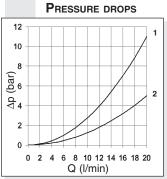
Serial No.

OVERALL DIMENSIONS

E1 = Emergency button

P1(*) = Rotary emergency button

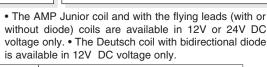
(*) P1 Emergency tightening torque max. 6÷9 Nm / 0.6 ÷ 0.9 Kgm with CH n. 22



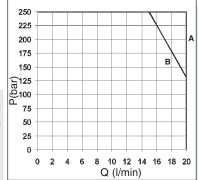
The tests were carried out with the solenoids at operating temperature, with a supply voltage 10% below nominal value and with a 40°C fluid temperature. The fluid

used is a mineral oil with a viscosity of 46 mm²/s at 40°C.

Spool	Connections (limits of use)					
type	2 →1	2→3	12	1 →3	3 →1	3→2
1D	Α	Α	-	-	-	В
1E	Α	-	В	В	Α	-
	Curve No.					



Spool	Connections (pressure drops)					
type	2 →1	2 →3	1 →2	1 →3	3 →1	3 →2
1D	2	1	-	-	-	1
1E	2	-	2	1	1	-
	Curve No.					



LIMITS OF USE

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