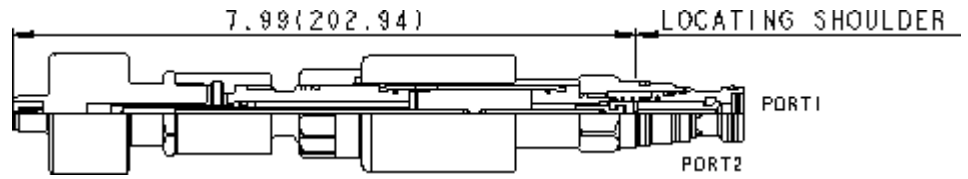


Z-Control, C-Poppet



### SWITCH SPECIFICATIONS

conector	M12 X 1 (4) Pin
Supply Voltage	20-30 VDC
Operating Temperature Range	-25 to 80 °C
Vibration	≥ 50g, 0-500 impulses/sec
Shock	>50 g, 1ms
Reverse Polarity Protection	Yes
Maximum Output Load	≤ 400 mA, Duty Ratio 100%
Short Circuit Protection	Yes, Load Short Unlimited
Turn On Time	≤ 25 ms
Hysteresis	≤ .002 in.
Thermal Shift - 0 to 80 °C ±	0,1 mm
EMC	DIN EN 61000-6-1/2/3/4
Connector Environment Rating	IP65
Series	1
Capacity	23 L/min.
Maximum Operating Pressure	350 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	0,7 cc/min.@350 bar
Response Time - Typical	50 ms
Switching Frequency	15,000 max. cycles/hr
Solenoid Tube Diameter	19 mm
Valve Hex Size	22,2 mm
Valve Installation Torque	41 - 47 Nm
Model Weight	0.95 kg.
Seal kit - Cartridge	Buna: 990-413-007
Seal kit - Cartridge	EPDM: 990-413-014
Seal kit - Cartridge	Polyurethane: 990-413-002
Seal kit - Cartridge	Viton: 990-413-006

### TECHNICAL DATA NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

cavidad	T-13A
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# OPTION SELECTION EXAMPLE: DTCAZCN224

**SPOOL CONFIGURATION**

**(C) SEAL MATERIAL**

**(N) BOBINA**

**(224)**

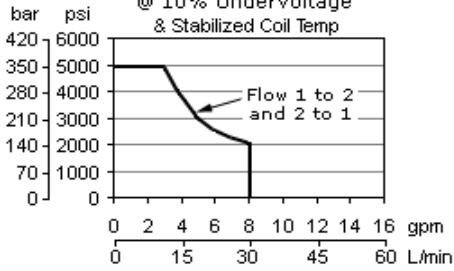
**C** normalmente cerrado  
**H** normalmente abierto

**N** Buna-N  
**E** EPDM  
**V** Viton

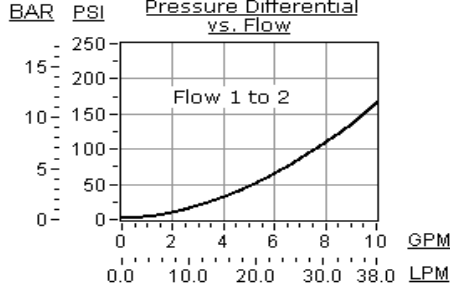
**224** DIN 43650-Form A, 24 VDC  
**212** DIN 43650-Form A, 12 VDC  
**912** Deutsch DT04-2P, 12 VDC  
**924** Deutsch DT04-2P, 24 VDC

## PERFORMANCE CURVES

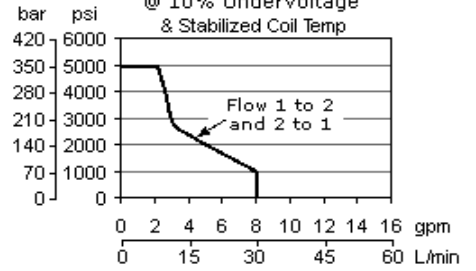
**DTCAZ "Spool C" Performance Limits**  
 @ 10% Undervoltage  
 & Stabilized Coil Temp



**DTCAZ "Spool C" Pressure Differential vs. Flow**



**DTCAZ "Spool H" Performance Limits**  
 @ 10% Undervoltage  
 & Stabilized Coil Temp



**DTCAZ "Spool H" Pressure Differential vs. Flow**

