

## ISO 03 HYDRAULIC VALVES type HD3-EX

- 4-way Ex-proof solenoid operated valves
- ISO 03 interface, directional control
- Solenoids according to ATEX 94/9/CE
- ATEX code/class: CE 0722 / Ex II 2 G EEx d II C T5
- Certificate: CESI 03 ATEX 212 (on request)
- Maximum flow rate: 40 l/min
- Maximum pressure (all ports): 250bar
- 100% duty cycle
- Emergency pin for manual override
- Mineral oil according to ISO 18/16/14 filtration class or better. Recommended viscosity range: 10 to 60cSt



SPOOL TYPE **			
0			
1			
3			
4			

DRIVE ARRANGEMENT			
С	a <b>** 1 b</b>		
N			
ш	a Z M		
ML	a 🔽 🔭 M		

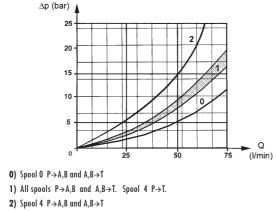
HD3 – EX – 1LL – * – 024C					
HD3	ISO 03 4-way directional control valve				
EX	Electrically controlled, Ex-proof solenoids				
1	Spool type (see table)				
ш	Drive arrangement (see table)				
*	b: only for versions LL, ML, LM solenoid "b"				
COILS	Type GMA-6/HD — Nominal absorption: 11W				
Current data	012C: 12V DC-0,92A 024C: 24V DC-0,46A				
corrent dutu	115A: 115V AC-0,10A 230A: 230V AC-0,05A				
Protection	According to IEC144: class IP67 — External surfaces nickel coated				
FIGIECHON	(min. thickness 7 micron)				

**ORDERING CODE** 

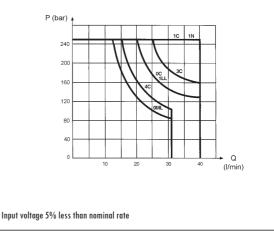
**Connection:** 3 x 1,5mm<sup>2</sup> x 1,5m wire cable (CEI 20-22), already connected to coil. Earth connection internal, with yellow-green wire in the cable, and external with a min. 4mm<sup>2</sup> cable fastened to earth screw.

## **TYPICAL DIAGRAMS**



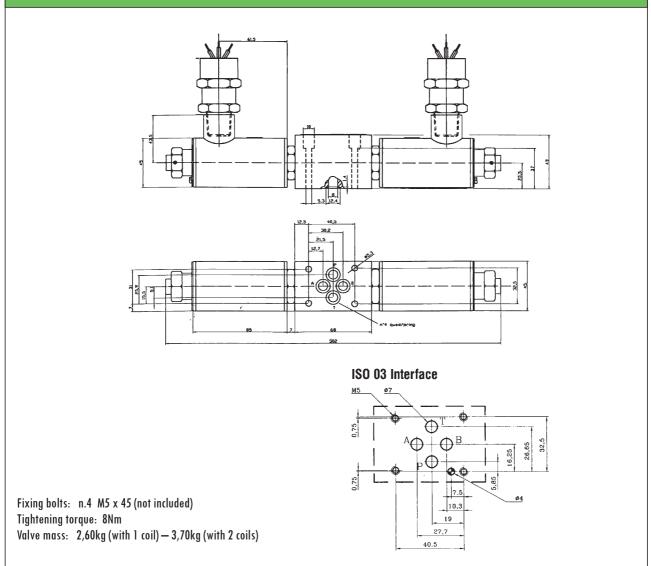


Typical p-Q curves of operating limits for maximum hydraulic power transferred by valves HD3-EX





## **OVERALL DIMENSIONS**



Subject to technical and dimensional changes without notice

TYPICAL SECTION					
1-2	Solenoids according to ATEX 94/9/CE	5	Spool		
3	Springs	6	Ring nut		
4	Body	7	Emergency pin		