

## ISO 05 HYDRAULIC VALVES type HD5-ES (drawing 20) DIRECTIONAL CONTROL - SOLENOID OPERATED

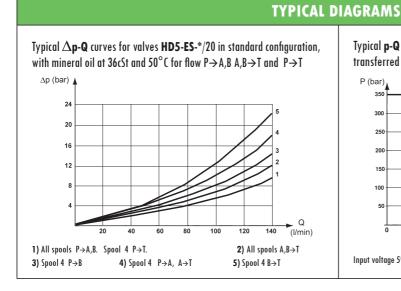
- 4-way solenoid operated directional valves
- ISO 05 interface, new generation compact body
- Oil immersed solenoids for AC and DC current
- Emergency pin for manual override
- Maximum flow rate: 140 l/min
- Maximum pressure (port P-A-B): 350 bar
- Maximum pressure (port T): 210 bar
- 100% duty cycle
- Suitable for mineral oil according to ISO 18/16/14 filtration class or better.
- Recommended viscosity range: 10 to 60cSt

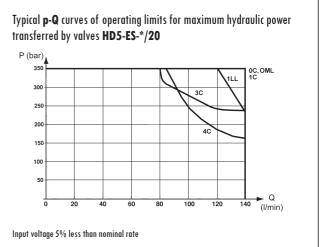


	SPOOL TYPE **				
0	A 8 P T				
1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
3	A 8 P T				
4	A 0				

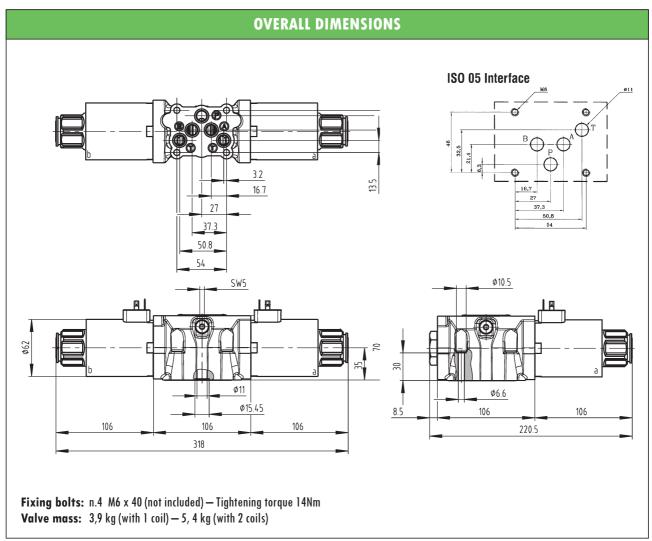
D	DRIVE ARRANGEMENT		
C	a ** * b		
N	a b		
ш	a M		
ML	a *** M		

ORDERING CODE				
HD5 — ES — 1 LL — */20				
HD5	ISO 05 4-way directional control valve			
ES	Electrically controlled			
1	1 Spool type (see table)			
LL	LL Drive arrangement (see table)			
*	* b: only for versions LL, ML, LM solenoid "b"			
20	20 Drawing			
B05 — *				
B05	Coil for HD5-ES valves (plugs according to ISO 4400) Admissible voltage variation: -10% +5%			
-012C	12V DC — 3,2A			
-024C	-024C 24V DC — 1,8A			
-115A	-115A 115V 50/60Hz AC — 0,40A			
-230A	230V 50/60Hz AC — 0.21A			









Subject to technical and dimensional changes without notice

TYPICAL SECTION						
1-2 Solenoid		6	Emergency manual override (on request)			
3	3 Double spring configuration		Body			
4 Emergency pin			Spool			
5 Coil retaining nut						
	4 1 7 8	2	5 6			