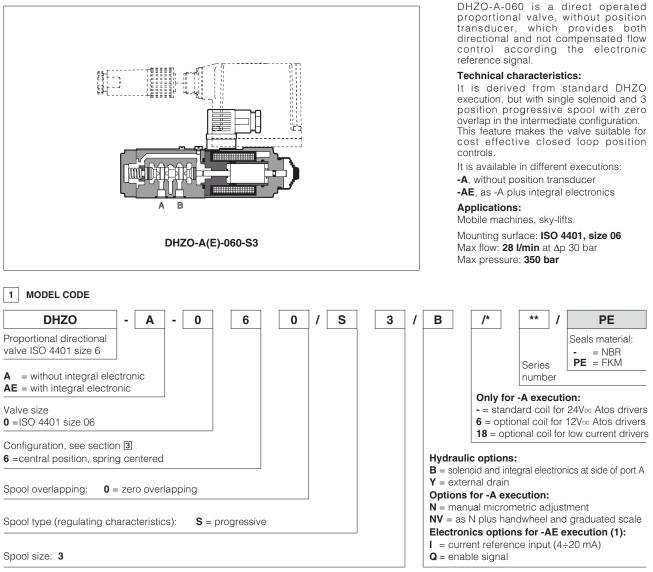




Proportional directional valve type DHZO-A(E)-060-S3

single solenoid, without position transducer, 3 position **Available only on request**



(1) For electric connection and option description of integral electronics -AE, see KT catalog, tab G110

2 HYDRAULIC CHARACTERISTICS (based on mineral oil ISO VG 46 at 50 °C)

Hydraulic symbols Valve model		$M = \frac{A B}{P T} DHZO-A(E)-060-S3$
Pressure limits	[bar]	Port P, A, B =350, T=160/250
Spool		S3
Max flow at Δp 30 bar at Δp 70 bar at Δp max () bar	[l/min]	28 43 72 (200)
Response time	[msec]	<30
Hysteresis	[%]	5
Repeatability	[%]	±1

3 ELECTRONIC DRIVERS FOR DHZO-A*

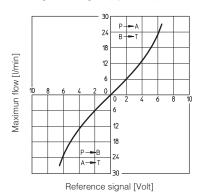
Valve model	-A						-AE
Drivers model	E-MI-AC-0*F	E-MI-AS-IR	E-BM-AC-0*F	E-BM-AS-PS	E-ME-AC-0*F	E-RP-AC-0*F	E-RI-AE
Data sheet	G010	G020	G025	G030	G035	G100	G110

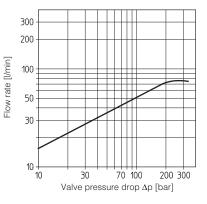
4 MAIN CHARACTERISTICS OF DHZO-A*-060-S3

Assembly position	Any position		
Subplate surface finishing	Roughness index Ra 0,4 - flatness ratio 0,01/100 (ISO 1101)		
Ambient temperature	-20°C ÷ +70°C for -A execution; -20°C ÷ +60°C for -AE execution		
Fluid	Hydraulic oil as per DIN 51524 535 for other fluids see section 1		
Recommended viscosity	15 ÷100 mm²/s at 40°C (ISO VG 15÷100)		
Fluid contamination class	ISO 4406 class 20/18/15 NAS 1638 class 9, in line filters of 10 µm (β10≥75 recommended)		
Fluid temperature	-20°C +60°C (standard seals) -20°C +80°C (/PE seals)		
Coil resistance R at 20°C	$3 \div 3.3 \Omega$ for standard 12 Vzc coil; $2 \div 2,2 \Omega$ for 6 Vzc coil; $13 \div 13,4 \Omega$ for 18 Vzc coil		
Max solenoid current	2,6 A for standard 12 V $_{\rm DC}$ coil; 3,25 A for 6 V $_{\rm DC}$ coil; 1,5 A for 18 V $_{\rm DC}$ coil		
Max power	40 Watt		
Protection degree (CEI EN-60529)	IP65 for -A execution; IP67 for -AE execution, (see sect. 7)		
Duty factor	Continuous rating (ED=100%)		

5 DIAGRAMS (based on mineral oil ISO VG 46 at 50 °C)

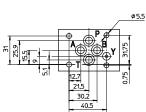
Regulation diagram (Δp = 30bar)

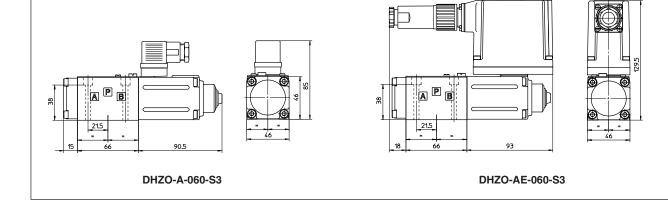




6 INSTALLATION DIMENSIONS FOR DHZO [mm]

ISO 4401: 2005 Mounting surface: 4401-03-02-0-05 (see KT table P005) Fastening bolts: 4 socket head screws M5x50 class 12.9 Tightening torque = 8 Nm Seals: 4 OR 108; Diameter of ports A, B, P, T: Ø 7,5 mm (max)





7 MODEL CODES OF POWER SUPPLY CONNECTORS (to be ordered separately)

VALVE VERSION	-A	-AE		
CONNECTOR CODE	666	ZH-7P	ZM-7P	
PROTECTION DEGREE	IP65	IP67	IP67	
DATA SHEET	K500	G110, K500		

connectors supplyed with the valve