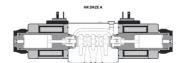
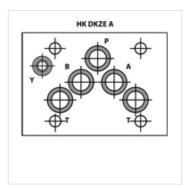
## Proportional solenoid-operated directional control valve NG 10



Properties				
Design	4/2-way valve or 4/3-way valve direct-controlled for applications in open control loop			
Scope of supply	with coil, without plug			
Operating pressure	P, A, B: max. 315bar / T: max. 210bar			
Connection	ISO/Cetop 05 size 10			





## Description

Without integrated position transducer (a pcb Type HK EBM AS is required for control) Completely encapsulated solenoid coils Response time < 40 ms
Hysteresis < 5%

## **Ordering information**

Other designs available on request

Ty- pe	Overlap	Volumetric flow max. (L/min)	Control	Design	Piston type	Wei- ght (kg)
4/2	P, A, B, T positive (closed)	105,0	linear	Spring return	L5 [A/B/P/T]-[PA/BT]	4,5
4/3	P, A, B, T positive (closed)	105,0	progressive, passage A, B in ratio 2:1	Spring return	D5 [PB/AT]-[A/B/P/T]-[PA/BT]	6,1
4/3	P, A, B, T positive (closed)	80,0	progressive	spring return to 0	S3 [PB/AT]-[A/B/P/T]-[PA/BT]	6,1
4/3	P, A, B, T positive (closed)	105,0	linear	spring return to 0	L5 [PB/AT]-[A/B/P/T]-[PA/BT]	6,1
4/3	P positive (closed); A, B, T negative (open)	105,0	progressive, passage A, B in ratio 2:1	spring return to 0	D5 [PB/AT]-[ABT/P]-[PA/BT]	6,1
4/3	P positive (closed); A, B, T negative (open)	80,0	progressive	spring return to 0	S3 [PB/AT]-[ABT/P]-[PA/BT]	6,1
4/3	P positive (closed); A, B, T negative (open)	105,0	linear	spring return to 0	L5 [PB/AT]-[ABT/P]-[PA/BT]	6,1
	4/2 4/3 4/3 4/3 4/3 4/3	P, A, B, T positive (closed)  P positive (closed); A, B, T negative (open)  P positive (closed); A, B, T negative (open)	pe         flow max. (L/min)           4/2         P, A, B, T positive (closed)         105,0           4/3         P, A, B, T positive (closed)         105,0           4/3         P, A, B, T positive (closed)         80,0           4/3         P, A, B, T positive (closed)         105,0           4/3         P positive (closed); A, B, T negative (open)         105,0           4/3         P positive (closed); A, B, T negative (open)         80,0	pe flow max. (L/min)  4/2 P, A, B, T positive (closed) 105,0 linear  4/3 P, A, B, T positive (closed) 105,0 progressive, passage A, B in ratio 2:1  4/3 P, A, B, T positive (closed) 80,0 progressive  4/3 P, A, B, T positive (closed) 105,0 linear  4/3 P positive (closed); A, B, T negative (open) 105,0 progressive, passage A, B in ratio 2:1  4/3 P positive (closed); A, B, T negative (open) 80,0 progressive	flow max. (L/min)  P, A, B, T positive (closed) 105,0 linear Spring return  P, A, B, T positive (closed) 105,0 progressive, passage A, B in ratio 2:1 Spring return  P, A, B, T positive (closed) 80,0 progressive spring return to 0  P, A, B, T positive (closed) 105,0 linear spring return to 0  P positive (closed); A, B, T negative (open) 105,0 progressive, passage A, B in ratio 2:1 spring return to 0  P positive (closed); A, B, T negative (open) 80,0 progressive spring return to 0  P positive (closed); A, B, T negative (open) 80,0 progressive spring return to 0	Flow max. (L/min)   Flow

Piston type example: [A/B/PT] = [A blocked / B blocked / P+T connected]

Accessories	
HK EBM AS	Proportional amplifier digital
HK SP DIN 43650	Electrical plug for solenoid coil DIN 43650 / ISO 4400
HK M HK DK	Set of bolts for NG 10 valves types HK DK11/DKE/DG4V5