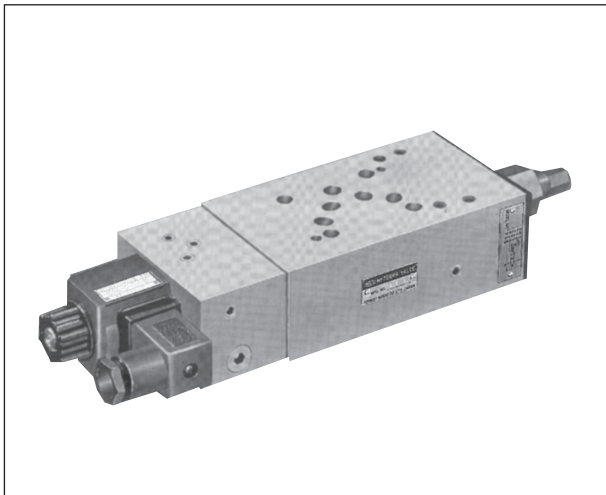


## SOLENOID-OPERATED BRAKE VALVE (HLD3H)



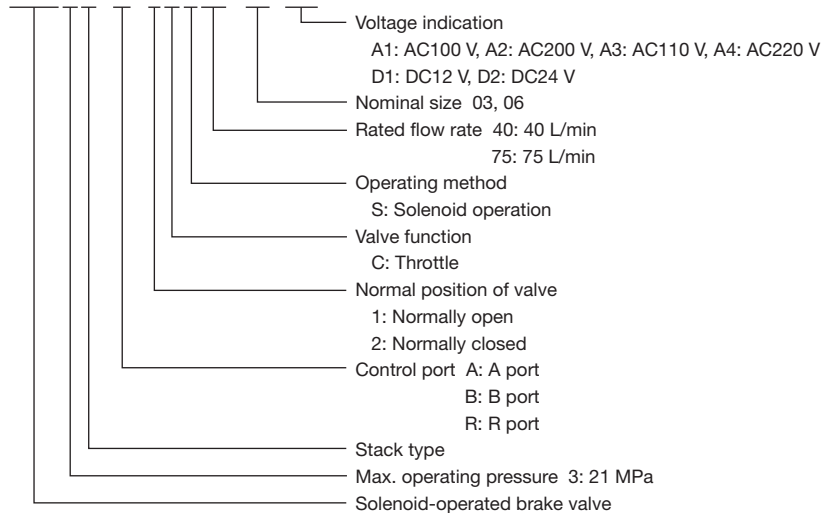
### ■ Features

This valve is used to enable smooth starting and stopping by alleviating the shock generated during acceleration/deceleration of an actuator with a large inertia. The conventional solenoid-operated brake valve (HLD3) is modified into a stack type and a pressure reducing valve is installed in the pilot circuit as standard. This configuration allows accurate and smooth start and stop control even with large pressure variation in the circuit.

1. The valve smoothly controls starting and stopping of an actuator that has a large inertia.
2. The circuit can be configured by simply stacking the manifold and the valve and no internal piping is necessary.
3. Installation space is saved thanks to the stack type design.
4. Acceleration and deceleration control of an actuator is simplified.

### ■ Description of the model designation

#### HLD3H-A-1CS40-03-A1



### ■ Solenoid characteristics

#### AC

Model	M01-AC100-D-TK	M01-AC100-D-TK	M01-AC200-D-TK	M01-AC200-D-TK	M01-AC110-D-TK	M01-AC110-D-TK	M01-AC220-D-TK	M01-AC220-D-TK
Rated Voltage (V)	AC100 50Hz	AC100 60Hz	AC200 50Hz	AC200 60Hz	AC110 50Hz	AC110 60Hz	AC220 50Hz	AC220 60Hz
Starting current (A)	2.66	2.35	1.33	1.18	2.42	2.14	1.21	1.07
Holding current (A)	0.58	0.43	0.29	0.22	0.53	0.39	0.26	0.20
Power consumption (W)	25.0	20.8	25.0	20.8	25.0	20.8	25.0	20.8

#### DC

Model	M01-DC12-D-TK	M01-DC24-D-TK
Rated Voltage (V)	DC12	DC24
Holding current (A)	2.35	1.22
Power consumption (W)	28.2	29.3

## Specifications

Control port	Type	Model	Max. operating pressure (MPa)	Rated flow rate (L/min)	Allowable back pressure (MPa)	Symbol
A	Normally open	HLD3H-A-1CS40-03-*	21	40	1	
	Normally closed	HLD3H-A-2CS40-03-*				
	Normally open	HLD3H-A-1CS75-06-*		75	21	
	Normally closed	HLD3H-A-2CS75-06-*				
B	Normally open	HLD3H-B-1CS40-03-*		40	1	
	Normally closed	HLD3H-B-2CS40-03-*				
	Normally open	HLD3H-B-1CS75-06-*		75	21	
	Normally closed	HLD3H-B-2CS75-06-*				
R	Normally open	HLD3H-R-1CS40-03-*	40	1		
	Normally closed	HLD3H-R-2CS40-03-*				
	Normally open	HLD3H-R-1CS75-06-*	75	21		
	Normally closed	HLD3H-R-2CS75-06-*				

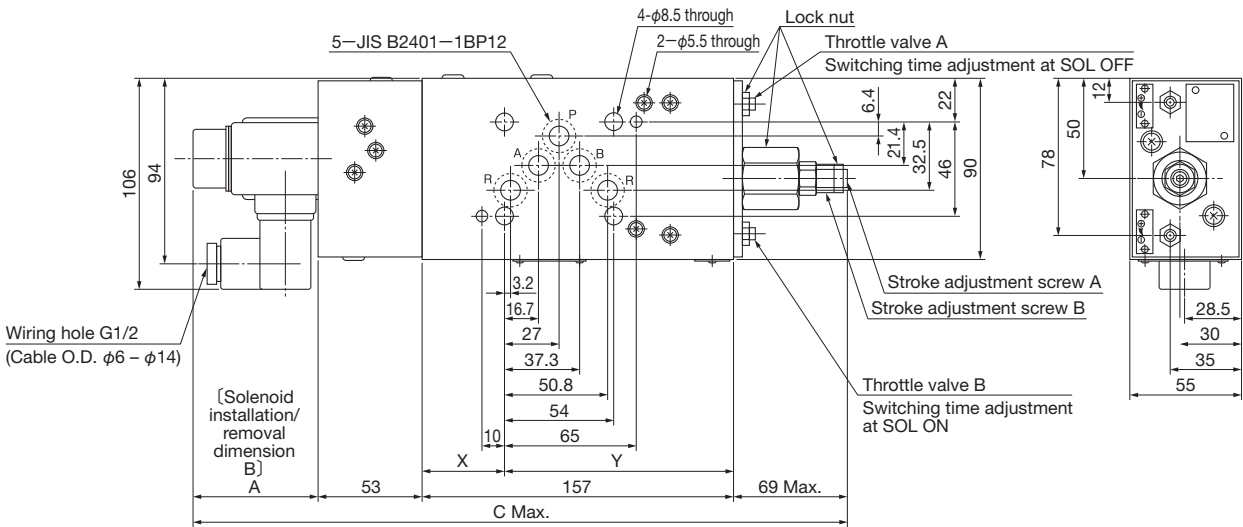
NOTE; The minimum operating pressure is 3.5 MPa. Add the back pressure to the value for the type 03.

D

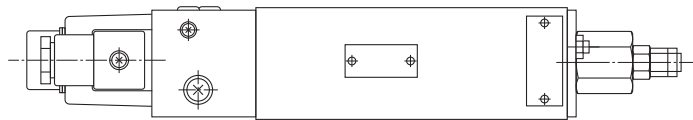
HY-TEGRA SYSTEM

Outside dimensions

HLD3H-\*\*-CS40-03-<sup>A\*</sup>/<sub>D\*</sub>



Mass: 7.5kg

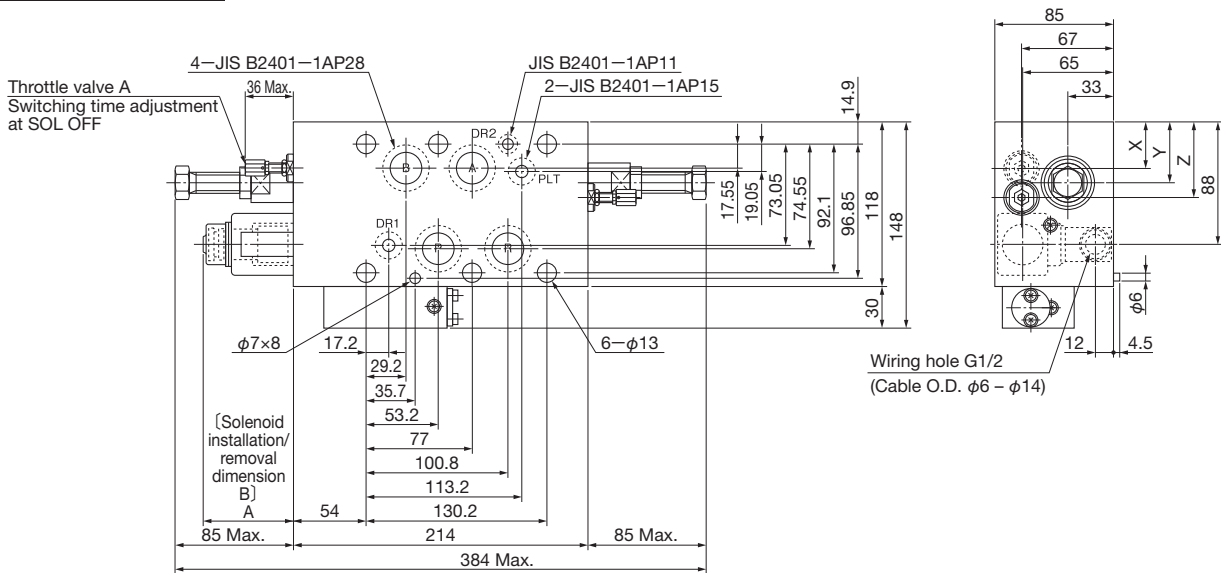


Model	Dimension A	Dimension B	Dimension C	Dimension Y	Dimension Z
HLD3H-A*-CS40-03-A*	63.5	107.5	342.5	42	115
HLD3H-B*-CS40-03-A*	63.5	107.5	342.5	23	134
HLD3H-R*-CS40-03-A*	63.5	107.5	342.5	33	124
HLD3H-A*-CS40-03-D*	72.5	125.5	351.5	42	115
HLD3H-B*-CS40-03-D*	72.5	125.5	351.5	23	134
HLD3H-R*-CS40-03-D*	72.5	125.5	351.5	33	124

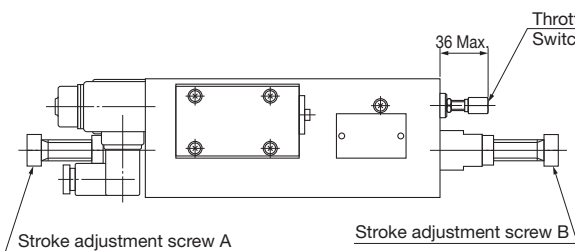
D

HY-TEGRA SYSTEM

HLD3H-\*\*-CS75-06-<sup>A\*</sup>/<sub>D\*</sub>



Mass: 15.3kg



Model	Dimension A	Dimension B	Dimension X	Dimension Y	Dimension Z
HLD3H-A*-CS75-06-A*	63.5	107.5	34	44	54
HLD3H-B*-CS75-06-A*	63.5	107.5	34	44	54
HLD3H-R*-CS75-06-A*	63.5	107.5	42	52	62
HLD3H-A*-CS75-06-D*	72.5	125.5	34	44	54
HLD3H-B*-CS75-06-D*	72.5	125.5	34	44	54
HLD3H-R*-CS75-06-D*	72.5	125.5	42	52	62