



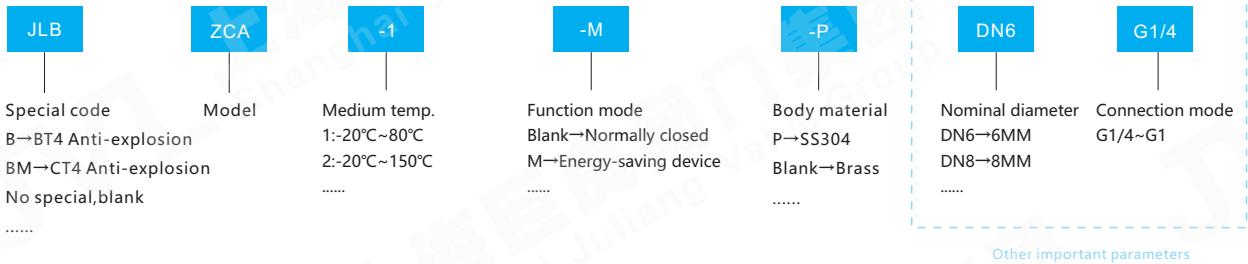
## ZCA EXPORT SERIES OF FINE BRASS SOLENOID VALVE

GERMAN HARDCOVER/ REPLACING IMPORTED GOODS/SUPER LONG LIFE/WIDELY USED

### Valve selection

- The direction of arrow on the valve body must be consistent with the flow of the medium, if there is bi-directional flow, may select electric valve or pneumatic valve.
- If contain impurity particles in the fluid, the strainer should be installed in front of the valve according to the particle size (the mesh number  $\geq 80$ ).
- The length of DC power cord should not be too long to avoid coil power loss and normal operation.
- Please give preference to the normally closed type in the design control plan.
- If you need explosion-proof solenoid valve, long duration power on and special voltage requirements, please consult before selecting the model.

### Model Naming Method



### Technical parameter

DN	DN6~25mm
Connection mode	English system G internal thread (and NPT thread can be customized)
Principle	Pilot diaphragm mode
Valve body material	Brass, SS304
Sealing material	NBR, FKM, others please consult
Suitable medium	Vapor, Liquid, Gas, Oil etc
Medium temperature	1.-20°C~80°C 2.-20°C~150°C others please consult
Ambient temperature	Standard type: -20°C~60°C
Installation mode	Horizontal installation, coil vertical upward (others please consult)
Protection level	Plastic sealing type: IP65 Encapsulation type: IP65 Explosion-proof type: BT4: IP54

• Notes: Special conditions can be designed and manufactured according to the customer's actual conditions.

### Power parameter

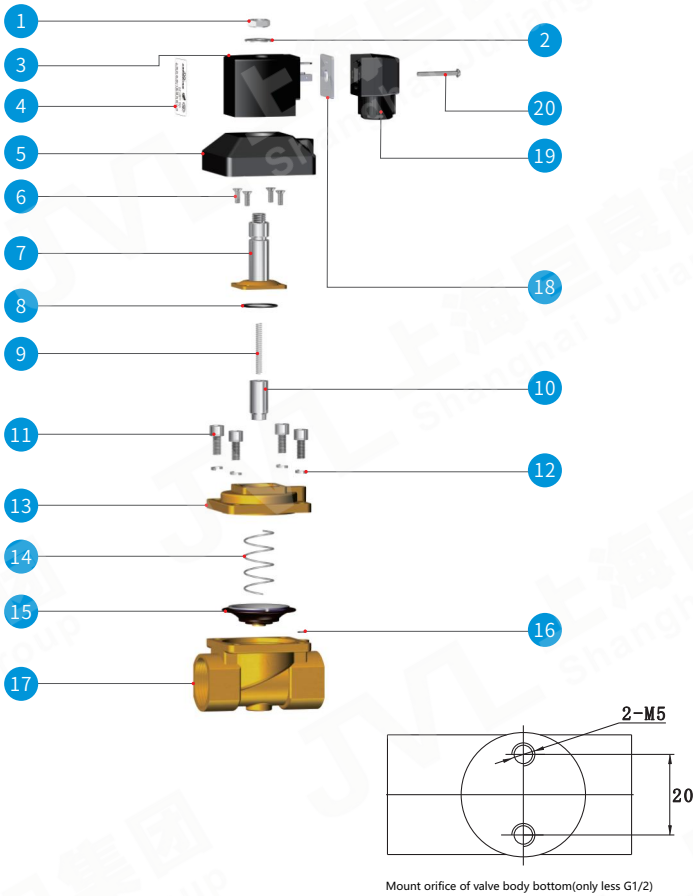
Supply Voltage	AC:220V DC:24V other voltages can be customized
Rated power	J3 AC22VA DC18W
Voltage deviation	±10%
Electrical connection	Standard type: DIN43650A, Standard junction box (M18x1.5) Anti-explosion type: Standard M14x1.5 inner thread Power cord of IP54 can be replaced, but IP65 can't

### Product function selection

Symbol	Function mode	Content
Blank	Normally closed	Energized valve on, deenergized valve off
M	Energy-saving device	Energy saving and reducing temperature rise.
D	With timer	Set time switch interval
Notes	Anti-explosion level: Ex dbII BT4 Gb, Ex mbII T4 Gb special device related qualification please ask for from our sales	

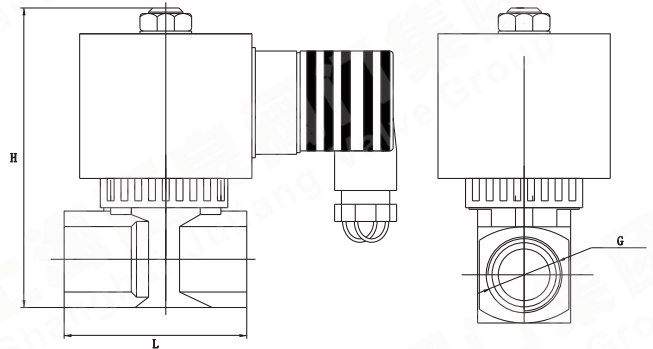
# ZCA EXPORT SERIES OF FINE BRASS SOLENOID VALVE

Application: aerospace, national defense, petrochemical industry, HVAC, steel iron metallurgy, electric power equipment, medical equipment, rubber and plastic machinery, food machinery, agricultural machinery, Analytical instrument, humidifier, sulfur meter, water dispenser, mold temperature machine, filling equipment, brewing Equipment, generator set, environmental protection water treatment, industrial furnace, boiler burner, welding and cutting cut and other products supporting and related industry automation control system.



## Part component description

NO.	Name	NO.	Name
1	M10 outer hex nut	11	M6 hex socket bolt
2	Flat washer	12	D6 spring washer
3	Electromagnetic coil	13	Main bonnet
4	Name plate	14	Reset spring of the main valve
5	Valve body housing	15	The main valve diaphragm
6	Pilot bonnet fastening bolts	16	Pilot hole seal
7	Pilot bonnet	17	Valve body
8	Pilot bonnet component	18	Protective pad for junction box
9	Reset spring	19	Terminal block
10	Moving iron core component	20	M3 bolt



## Normally closed standard product specifications & dimensions

Type	Nominal diameter DN[mm]	Pipe thread [G]	Differential pressure range[bar]		Brass	Outer shape dimension		Mount orifice size
			AC	DC		L	H	
ZCA06	6	G1/4"	0.5~10	0.5~12	50	-	88	2-M5
ZCA08	8	G1/4"	0.5~10	0.5~12	50	-	88	2-M5
ZCA15	10	G3/8"~G1/2"	0.5~10	0.5~12	50	52	88	2-M5
ZCA20	15	G3/4"	0.5~10	0.5~12	61	-	100	-
ZCA25	20	G1"	0.5~10	0.5~12	83	-	115	-

Notes: 1. The above technical data and installation dimensions are standard designs. If added functional options or pipeline design is strict, you can ask "Overall drawing" from our company. Other pressure grade or special technical requirements shall be subject to the appointment of contract and physical products.  
2. If the solenoid valve is used in explosion-proof conditions, please ask explosion-proof solenoid valve's "Overall drawing" from our company.