



## Connection requirement

1:Power line Tricolor power wire and yellow-green ground wire

Temperature control line Two thin wires of 110°C thermistor

2:Cooling water outlet

3:Pressure for tool changing and de-dusting 0.4MPa

4:Pressure of air sealing 0.2MPa

5:Inlet air pressure for tool-removing 0.70MPa

6:Cooling water inlet delivery of water pump head 12m(Don't connect wrong!)

7:Proximity switch Two NPN(normally open)N.O. for tool-removing and tool-mounting

8:Hangng ring

### Special warning

- 1.The spindle shall be mounted to the clamping position;otherwise it would damage the bearing!
- 2.It shall not change tools before complete stop of spindle.The manual tool-changing button shall be unavailable while spindle is rotating;otherwise it would cause the block of spindle!
- 3.The compressed air shall be clean and dry with filtering precision of  $0.1 \mu\text{m}$ ! Air sealing shall be normally open.It is recommended to apply two levels of filtering with precisions of  $0.5\mu\text{m}/0.1\mu\text{m}$ , and the filter shall be equipped with automatic drainage.

### Connection Description

1:Three colored wires are connected with U, V, W phases/Yellow-green wire is connected with earth

Temperature controlled line is connected externally with temperature control protector

2:The quick plug of cooling water outlet is 8/6 hose

3:The quick plug for tool-changing and dust-removing is 6/4 hose

4:The quick plug for air-sealing is 6/4 hose

5:The quick plug for tool-removing is 6/4 hose

6:The quick plug of cooling water inlet is 8/6 hose

7:Connect brown wire of proximity switch with +24VDC, and blue line connected to 0VDC

Signal loading end connected to +24VDC/the other end connected to black line

8:Hanging ring applied for mounting

Parameters of PTC single-core thermistor	
DC Power Supply	Maximum DC25V/100mA
-20~25°C	≤300Ω
≤90°C	≤750Ω
105°C	≤1650Ω
110°C	Rated function temperature
115°C	≥3990Ω
≥125°C	≥12KΩ
≤160°C	Maximum storage temperature

Model	GDL150-40-12Z/12	Rotation Direction	Counterclockwise viewed from the end of spindle
Voltage	380V		
Power	12kw		extension
Current	25.0A	Tool Holder	BT40 Without keys (Parfaite recommended)
Frequency	400Hz		
Rotation	12000rpm	Pop-rivet	BT40-45° (Parfaite recommended)
Number of Pole	4P	Weight	50KG
Phase	3		
Bearing	2xSM6011C P4/Steel ball		
	2x7008C P4/Steel ball		
	Apply imported grease specially		
	for high-speed bearing		

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