



1:Power line Tricolor lines connected to U,V, W/  
yellow-green line connected to ground  
Temperature control line two-phase of 110℃ thermistor  
connected to temperature protector  
2:Cooling water inlet delivery of water pump head 8m  
3:Pressure for tool changing and de-dusting  
0.2-0.3MPa(6/4 hose)  
4:Quantity of proximity switches Two NPN(normally  
open)N.O. for tool-mounting and tool-removing  
Connection of proximity switch Brown line connected  
to +24VDC ,and blue line connected to 0VDC  
Signal loading end connected to +24VDC/the other end  
connected to black line  
5:Pressure of air sealing 0.1-0.2MPa (4/2 hose)  
6:Cooling water outlet (End 2 and 6 are connected  
with 8/6 hose)  
7:Inlet air pressure for cylinder 0.65MPa (6/4 hose)

Model GDL80-20-24Z/1.5

Voltage 220V

Power 1.5kw

Current 5.8A

Frequency 800Hz

Rotation 24000rpm

Number of Pole 4P

Phase 3

Rotation Direction Counterclockwise viewed  
from the end of spindle  
extension

Tool Holder ISO20 (Parfaite recommended)

Pop-rivet ISO20-15° (Parfaite recommended)

Weight 8KG

Parameters of PTC single-core thermistor	
DC Power Supply	MaximumDC25V/100mA
-20~25℃	≤100Ω
≤90℃	≤250Ω
105℃	≤550Ω
110℃	Rated function temperature
115℃	≥1330Ω
≥125℃	≥4KΩ
≤160℃	Maximum storage temperature

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 μm! Air sealing shall be normally open.It is recommended to apply two levels of filtering with precisions of 0.5μm/0.1μm, and the filter shall be equipped with automatic drainage.