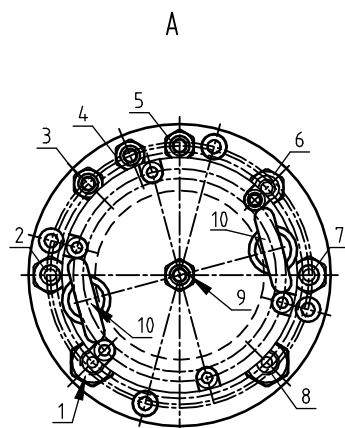


Model: GDL125Y-30-18Z/16  
 Type: Permanent magnet synchronization  
 Rated Voltage: 380V  
 Rated Power: 16kw  
 Rated Current: 30A  
 Rated Frequency: 600Hz  
 Rated Speed: 18000rpm  
 Maximum Frequency: 800Hz  
 Maximum Speed: 24000rpm  
 Number of Pole: 4P  
 Phase: 3  
 Rotation Direction: Counterclockwise viewed from the end of spindle extension  
 Tool Holder: BT30 (Parfaite recommended)  
 Pop-rivet: BT30-45° (Parfaite recommended)  
 Weight: 30KG



- 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 outlet: (End 2 and 6 are connected with 8/6 hose)
- 3:Air return: 0.4-0.7MPa (6/4 hose)
- 4:Tool changing and dust-removing: 0.3-0.4MPa(6/4 hose)
- 5:Air seal: 0.1-0.2MPa(6/4 hose)
- 6:Encoder: reserved interface (no encoder for this model)
- 7:Cooling water inlet: delivery of water pump head 12m (Don't connect wrong!)
- 8:Quantity of proximity switches: Two PNP(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  
Connect the positive pole of signal load to black wire/negative pole to 0VDC
- 9:Air inlet while tool removing: 0.4-0.7MPa(6/4 hose)
- 10:Hanging ring: applied for mounting

Parameters of PTC three-core thermistor	
DC Power Supply	MaximumDC25V/100mA
-20~25℃	≤300Ω
≤90℃	≤750Ω
105℃	≤1650Ω
110℃	Rated function temperature
115℃	≥3990Ω
≥125℃	≥12KΩ
≤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 spindle can only be started after air return for air cylinder (piston reset), otherwise, it may cause the spindle stucked!
  - 4.It shall ensure the dedusting air circuit is open to prevent dust or foreign materials from entering the spindle while changing tools!
  - 5.The air seal shall be kept normally open!
  - 6.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.
- 7.During the operation, the frequency converter shall be set strictly according to the U-f curve of the spindle

Note: PNP (normally open) N.O. connecting method of proximity switch  
 Brown line connected to +24VDC, and blue line connected to 0VDC  
 Connect the positive pole of signal load to +24VDC/negative pole to black wire