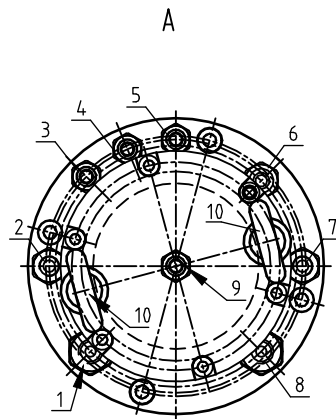


Model: GDL125-30-18Z/15  
 Type: Variable frequency asynchronous  
 Rated Voltage: 380V  
 Rated Power: 15kw  
 Rated Current: 27A  
 Rated Frequency: 600Hz  
 Rated Speed: 1800rpm(Synchronous speed)  
 Maximum Frequency: 800Hz  
 Maximum Speed: 2400rpm(Synchronous speed)  
 Number of Pole: 4P  
 Phase: 3  
 Rotation Direction: Counterclockwise viewed from the end of spindle extension  
 Tool Holder: BT30 (Parfaite recommended)  
 Pop-rivet: BT30-45° (Parfaite recommended)  
 Weight: 32KG



- 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: NPN (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