

Quick Changer

QCA-15



Robot side

PN	8.Y00353
Model	QCA-15R



Gripper side

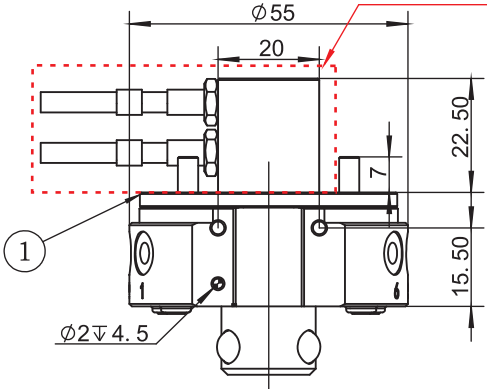
PN	8.Y00354
Model	QCA-15G



Robot side strap switch

PN	8.Y00353-SP	8.Y00353-SN
Model	QCA-15R-SP	QCA-15R-SN
Signal Detection Category	PNP	NPN

Robot Side



1. Robot side connection

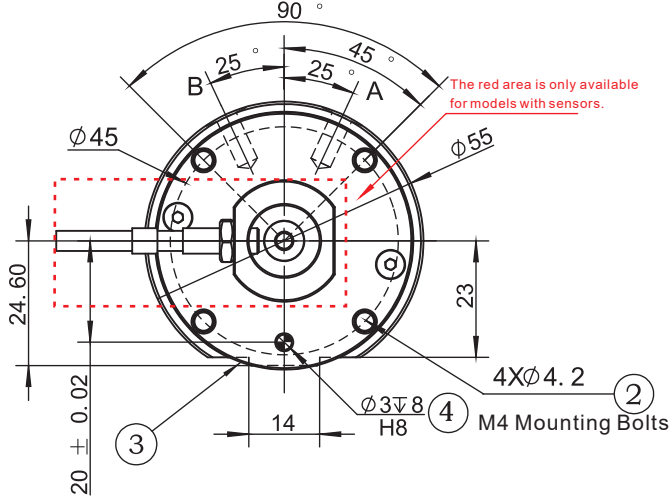
2. Threaded through-holes

3. Optional mounting surface

4. Positioning pin

5. Straight through air hole

6. Central positioning



A. The air connection locked

B. Air connection released

1. Robot side connection

2. Threaded through-holes

3. Optional mounting surface

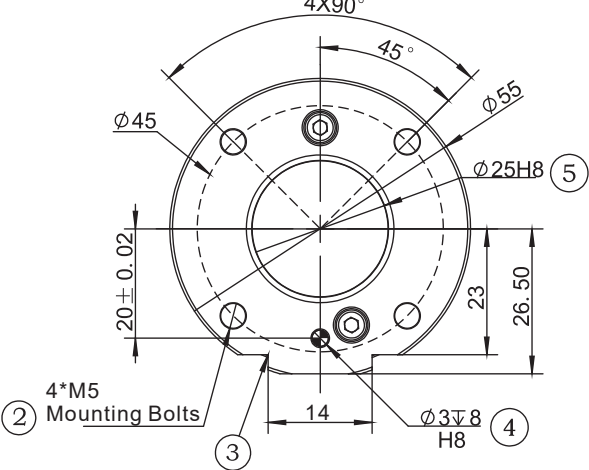
4. Positioning pin

5. Straight through air hole

6. Central positioning

Quick Changer

Gripper Side



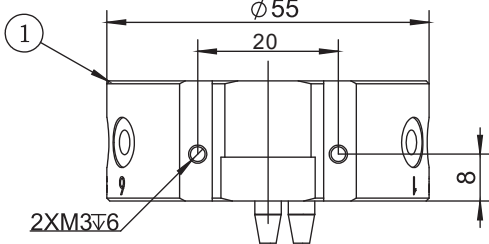
1. Gripper side connection

2. Threaded holes

3. Optional mounting surface

4. Positioning pin

5. Central positioning



Parameter

- 1.Max payload: 15kg

2.Locking force@80Psi (5.5Bar) 1150 N

3.Static load torque(X&Y): 26.5 Nm

4.Static load torque(Z): 35.03 Nm

5.Repeatability accuracy(X,Y&Z): ±0.015 mm
- 6.Weight after locked: 0.3 kg

7.Robot side's weight: 0.2 kg

8.Gripper side's weight: 0.1 kg

9.Maximum allowable angle deviation: ±1°

10.Size of straight air hole (quantity) : (6) M5

Applicable Module

Module Type

Product name	Model	PN	Voltage	Current	Connector	PN
Robot side signal module	QCSM-15R1	7.Y00965	24V	2.5A	DB15R1-1000 ^①	1.Y10163
Gripper side signal module	QCSM-15G1	7.Y00966	24V	2.5A	DB15G1-1000 ^①	1.Y10437

① The cable's length is 1 meter

HF Module-straight Out Line

Product name	Model	PN
Robot side high frequency module	QCHFM-02R-1000	7.Y02086
Gripper side high frequency module	QCHFM-02G-1000	7.Y02087

15-core Electric Module-straight Out Line

Product name	Model	PN
Robot side 15-core electric module	QCSM-15R1-1000	7.Y02097
Gripper side 15-core electric module	QCSM-15G1-1000	7.Y02098

Power Module-straight Out Line

Product name	Model	PN
Robot side high frequency module	QCSM-08R-1000	7.Y02084
Gripper side high frequency module	QCSM-08G-1000	7.Y02085

RJ45S Network Cable Interface

Product name	Model	PN
Robot side RJ45S servo module	QCSM-RJ45*5M-06R	7.Y02129
Gripper side RJ45S servo module	QCSM-RJ45*5M-06G	7.Y02129