创全球知名品牌　建国际卓越企业

A Global Famous Brand An International Excellent Enterprise

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QUICK CHANGER CATALOG

End-Of-Ar m-Tooling
机器人末端工装夹具-EOAT

机器人末端 快换装置

EOAT Quick Changer

苏州希瑞格机器人科技有限公司

SUZHOU CRG ROBOTICS TECHNOLOGY CO.,LTD.

企业文化
CULTURE CORPORATE

使命: 为客户提供有效的解决方案, 共创！ 共赢！ 共享！
Mission: to provide customers with effective solutions and create together! Win win! Share!

愿景: 创全球知名品牌, 建国际卓越企业！
Vision: to create a global famous brand and build an international excellent enterprise!

经营理念: 简单的事情重复做, 重复的事情用心做！
Operation Concept : Repeating simple things , Repeating what you do attentively!

卓越 SUPERIORITY
敢于追求
创新立意

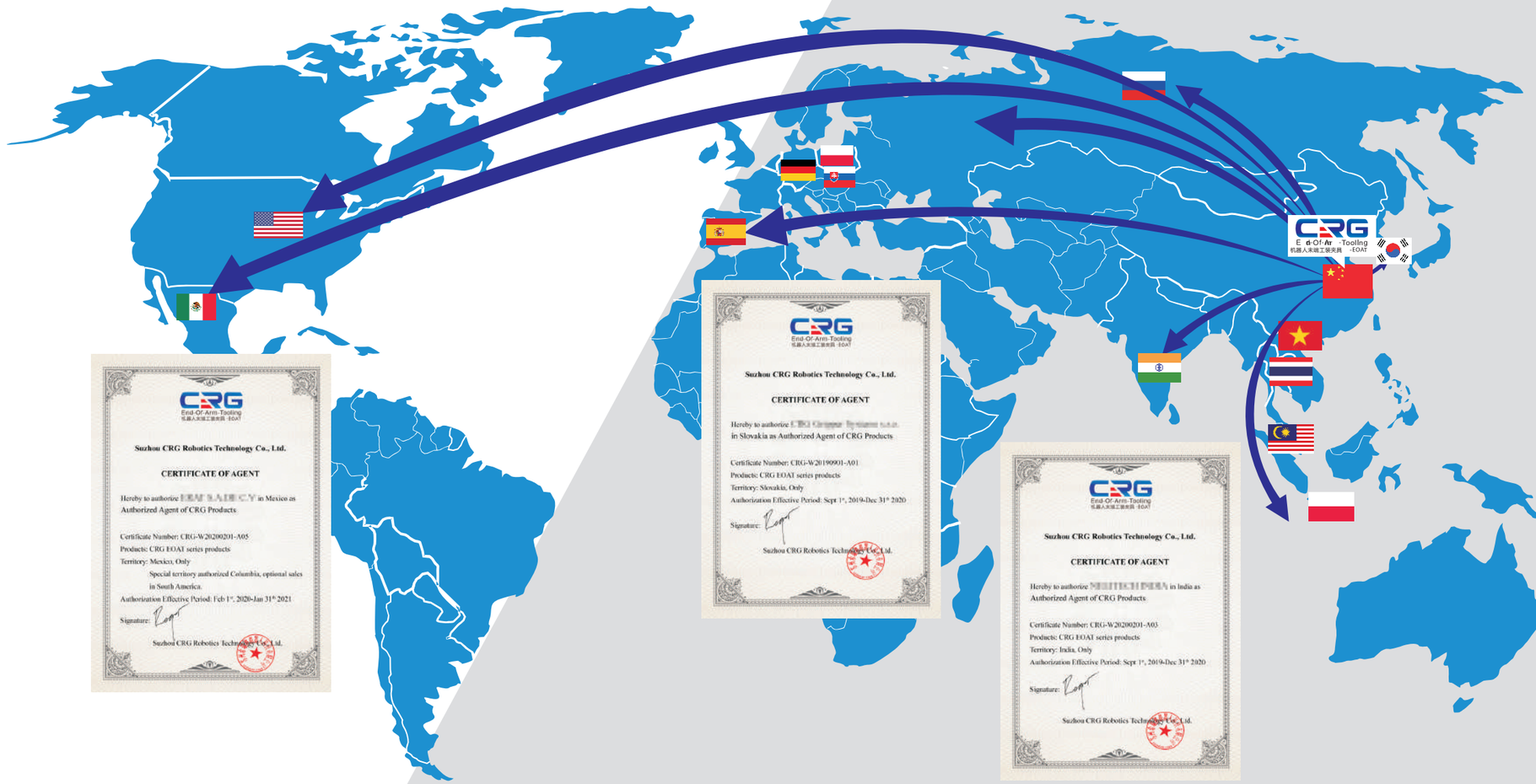
市场 MARKETING
高度敏锐
放眼未来

执行 ACTING
使命必达
全力以赴

责任 RESPONSIBILITY
团队合作
不屈不挠

技术 TECHNOLOGY
勇于尝试
敢于变革

全球销售网络分布图
Global network sales location



COMPANY PROFILE

企业简介

CRG 是一家致力于机器人、机械手末端夹具（EOAT）设计、研发、生产、销售于一体的自动化公司，公司专注于机器人末端夹具应用二十多年，拥有上百项专利，以模块化理念让自动化设计更简单、更灵活、更可靠；业务遍及欧洲、北美及东南亚地区，为全球客户提供优质的解决方案，让夹具创造更高效的价值。

CRG is an automation company dedicated to the design, development, production and sales of end of arm tooling (EOAT). We have been focusing on the application of robot gripper for more than twenty years and obtained hundreds of patents. The modular design concept makes the automatic design simpler, more flexible and more reliable. Our business covers Europe, North America and Southeast Asia, we are providing high quality solutions for global customers, enabling them to create more efficient value.

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机器人末端快换装置

产品优势/Product advantages

高精度

活塞调节机器人侧与夹具侧起到定位作用，提供了较高

重复定位精度。百万次循环测试表明实际精度要远远高于推荐值。

高强度

大缸径设计的锁紧活塞具备强大的锁紧力，

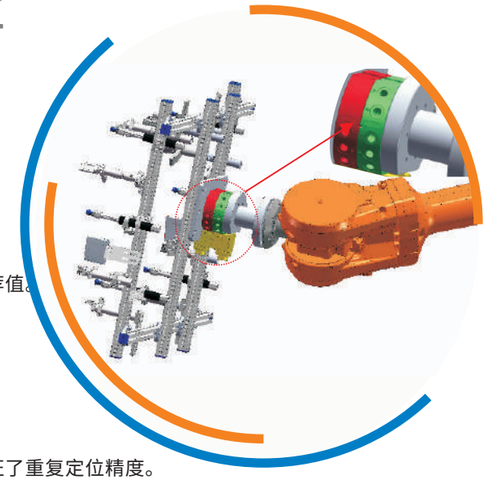
CRG机器人末端快速装置具有强大的抗力矩能力。

锁紧时不会因为高速的移动产生晃动，避免了锁紧失效，保证了重复定位精度。

高性能

多锥面的设计锁紧机构，选用了长寿命密封组件，采用了高品质的弹性接触式探针，

保证了信号模块的紧密接触。



自动快换安装使用示例
Quick Changer Installation example

high-precision

The piston adjusting robot side and fixture side play the role of positioning, which provides high repeat positioning accuracy. One million cycle tests show that the actual accuracy is much higher than the recommended value.

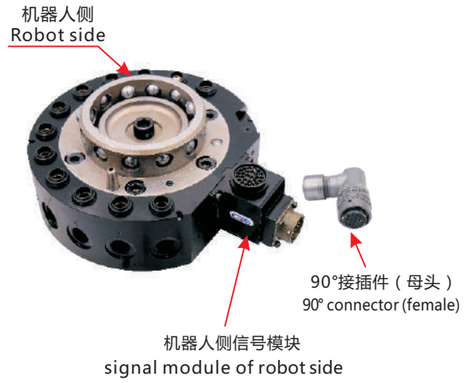
high strength

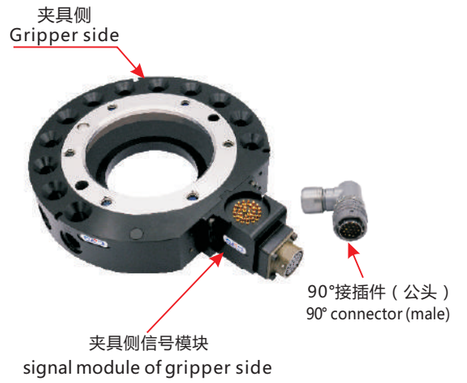
The locking piston with large cylinder diameter has strong locking force, CRG robot end fast device has strong anti torque ability. When locking, there will be no shaking due to high-speed movement, thus avoiding locking failure and ensuring repeated positioning accuracy.

High performance

The locking mechanism with multi conical surface design, long life sealing components and high quality elastic contact probe are adopted to ensure the close contact of signal module.

型号(Model)	QCA05	QCA15	QCA35	QCA50	QCA100	QCA200
建议负载 Recomended payload	3~5kg	10~15kg	25~35kg	35~50kg	70~100kg	150~300kg
机器人侧 Robot side	QCA-05R	QCA-15R	QCA-35R	QCA-50R	QCA-100R	QCA-200R
夹具侧 Gripper side	QCA-05G	QCA-15G	QCA-35G	QCA-50G	QCA-100G	QCA-200G
气路 Gas path	6-M5	6-M5	8-G 1/8	9-G 1/8	7-G 3/8	12-G 3/8
锁紧力@80Psi (5.5Bar) Locking Force@80Psi (5.5Bar)	620N	1150N	2900N	4600N	12000N	16000N
产品重量 Product weight	0.37 kg	0.27 kg	1.35 kg	1.68 kg	5.13 kg	9 .00kg

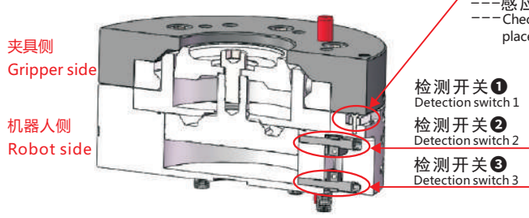




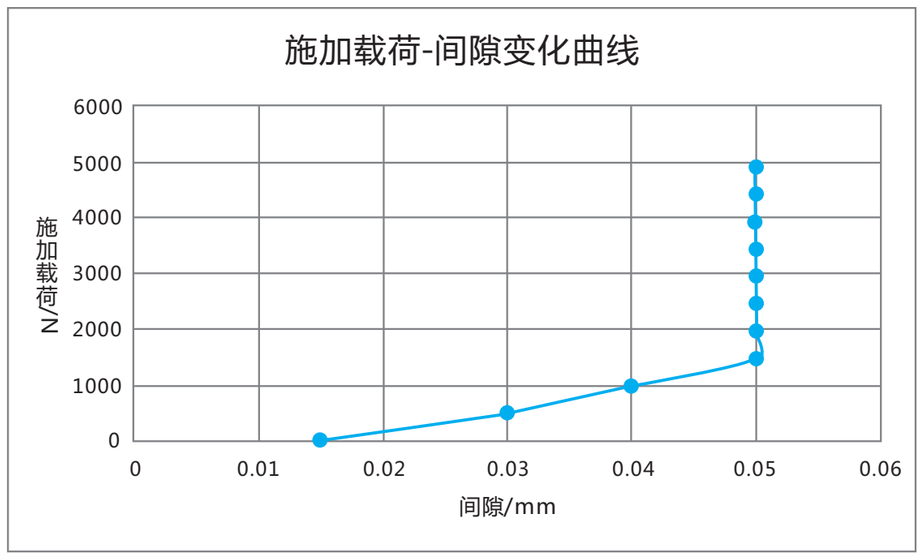
安全性能（选配）/Safety capability (option)

三个安全性能开关，多重防护

Three safety capability switch, multiple protection

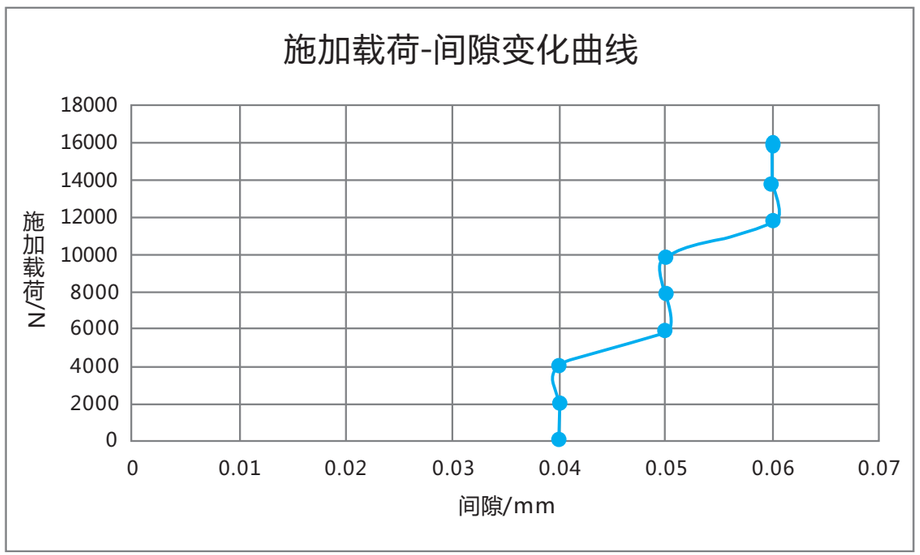


额定负载试验



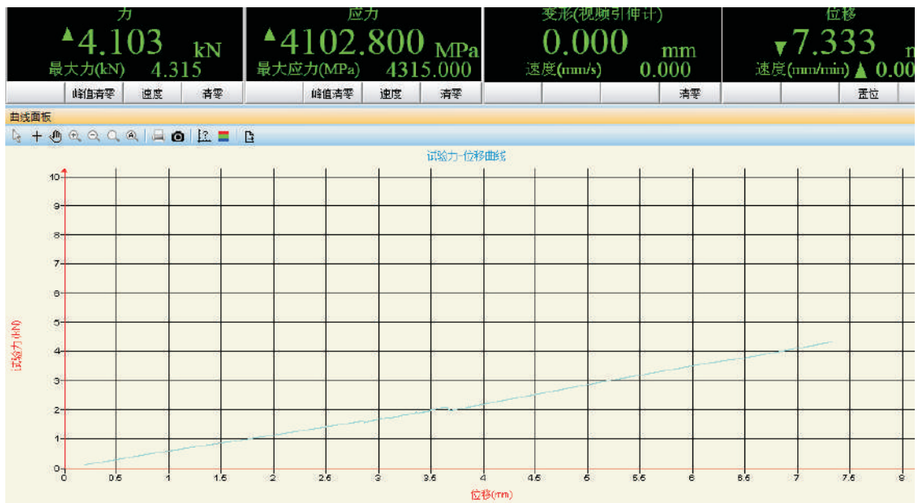
QCA-200自动快换

最大负载试验



QCA-200自动快换

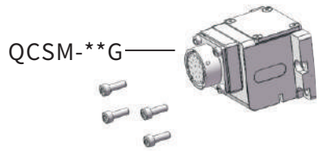
X-Y静态承载力矩试验



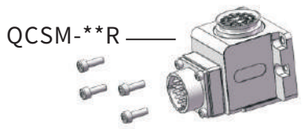
Z向静态承载力矩试验

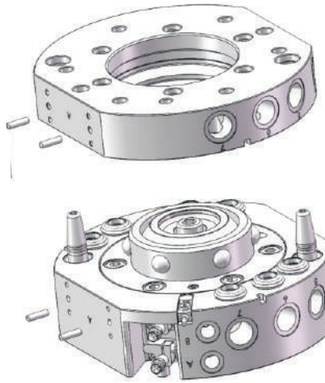
模块类型/Module Type

夹具侧模块安装方式
Module Mounting mode on gripper side



机器人侧模块安装方式
Module Mounting mode on robot side





描述Description		15 pins		15 pins	
信号模块 Signal module		机器人侧 Robot side	夹具侧 Gripper side	机器人侧 Robot side	夹具侧 Gripper side
		QCSM-15R1	QCSM-15G1	QCSM-15R2	QCSM-15G2
信号接头或电缆 Signal connector or cable		接插件（母头） connector (female)	接插件（公头） connector (male)	接插件（母头） connector (female)	接插件（公头） connector (male)
		DB15R1-1000①	DB15G1-1000①	D-Sub15R2-1000①	D-Sub15G2-1000①
QCA-05	QCA-05R	√			
	QCA-05G		√		
QCA-15	QCA-15R	√			
	QCA-15G		√		
QCA-35	QCA-35R			√	
	QCA-35G				√
QCA-50	QCA-50R			√	
	QCA-50G				√
QCA-100	QCA-100R			√	
	QCA-100G				√
QCA-200	QCA-200R			√	
	QCA-200G				√
电气特性 Electrical characteristics	电压 Voltage	50V		50V	
	电流 Current	2.5A		2.5A	

8 pins		19 pins		26 pins	
机器人侧 Robot side	夹具侧 Gripper side	机器人侧 Robot side	夹具侧 Gripper side	机器人侧 Robot side	夹具侧 Gripper side
QCSM-08R	QCSM-08G	QCSM-19R	QCSM-19G	QCSM-26R	QCSM-26G
接插件（母头） connector (female)	接插件（公头） connector (male)	接插件（母头） connector (female)	接插件（公头） connector (male)	接插件（母头） connector (female)	接插件（公头） connector (male)
3108A22-23S②	3108A22-23P②	MS3116F14-19S② CMB08E-14-19S(072)SR-B②	MS3116F14-19P② CMB08E-14-19P(072)SR-B②	MS3116F16-26S② CMB08E-16-26S(072)SR-B②	MS3116F16-26P② CMB08E-16-26P(072)SR-B②
√		√		√	
	√		√		√
√		√		√	
	√		√		√
√		√		√	
	√		√		√
√		√		√	
	√		√		√
380V		220V		220V	
30A		3A		3A	

① 连接线线材长为1米 The wire's length is 1 meters

② 仅接头，不含线材 Joint only, no wire

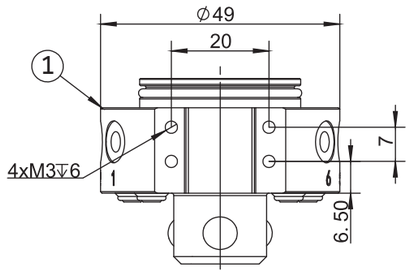
自动快换/Automatic Quick Changer

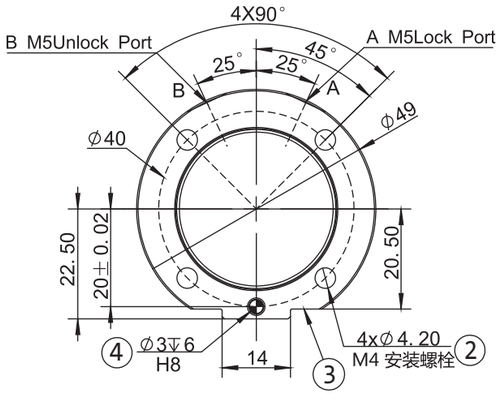
QCA-05

机器人侧
Robot side

货号(PN)	8.Y00355
型号(Model)	QCA-05R

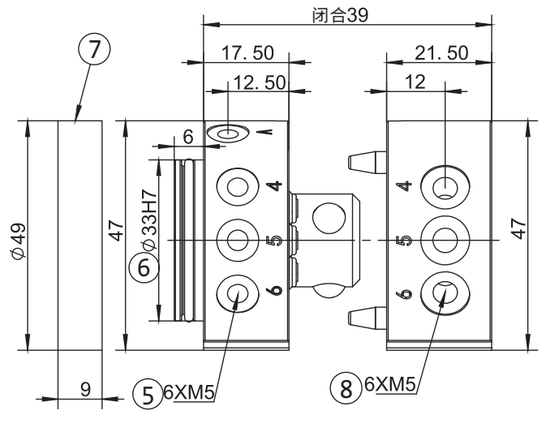
*材质:钢性材料
*Material: steel





夹具侧
Gripper side

货号(PN)	8.Y00356
型号(Model)	QCA-05G



机器人侧
Robot side

A.空气接口锁紧 The air connection locked

B.空气接口松开 Air connection released

1.机械人侧连接 Robot side connection

2.螺纹连接用通孔 Threaded through-holes

3.选配件安装面 Optional mounting surface

4.连接用定位销 Positioning pin

5.直通型气孔 Straight through air hole

6.中心定位用 Central positioning

7.防护底座 Protective base

8.直通型气孔 Straight through air hole

产品参数/Parameter

1.建议额定载荷: 3~5 kg

2.锁紧力@80Psi (5.5Bar) 620N

3.静态承载力矩 (X&Y): 23.4Nm

4.静态承载力矩 (Z)：31.5 Nm

5.位置重复精度 (X,Y&Z)：±0.015 mm

6.重量-锁紧后：0.37 kg

7.机器人侧重量：0.29 kg

8.夹具侧重量：0.08 kg

9.最大允许角偏移±1°

10.直通型气孔尺寸（数量）:(6) M5

1.Recommended rated load : 3~5kg

2.Locking force@80Psi (5.5Bar) 620 N

3.Static Load torque (X&Y) : 23.4 Nm

4.Static Load torque (Z) : 31.5 Nm

5.Repeatability accuracy (X,Y&Z):±0.015 mm

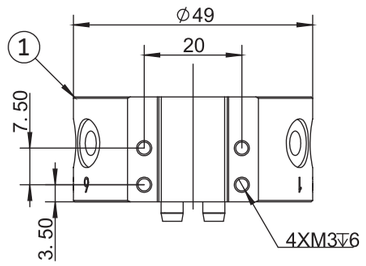
6.Weight after locked : 0.37 kg

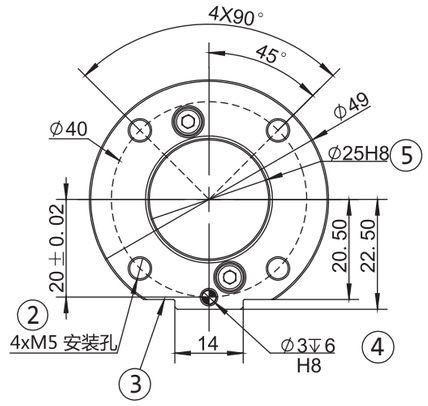
7.Robot side’ s weight : 0.29kg

8.Gripper side’ s weight: 0.08 kg

9.Maximum allowable angle deviation: ±1°

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





夹具侧
Gripper side

1.夹具侧连接用 Gripper side connection

2.螺纹连接用孔 Threaded holes

3.选配件安装面 Optional mounting surface

4.连接用定位销 Positioning pin

5.中心定位 Central positioning

模块类型/Module Type

产品名称 Product name	型号 Model	货号 PN	工作电压 Working Voltage	工作电流 Working Current	接插件 Connector	接插件货号 Connector PN
机器人侧信号模块 Robot side signal module	QCSM-15R1	7.Y00965	50V	2.5A	DB15R1-1000①	1.Y10163
夹具侧信号模块 Gripper side signal module	QCSM-15G1	7.Y00966	50V	2.5A	DB15G1-1000①	1.Y10437

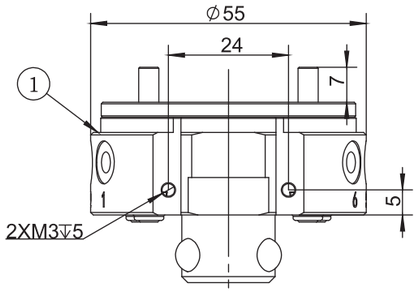
① 连接线线材长为1米 The wire's length is 1 meters

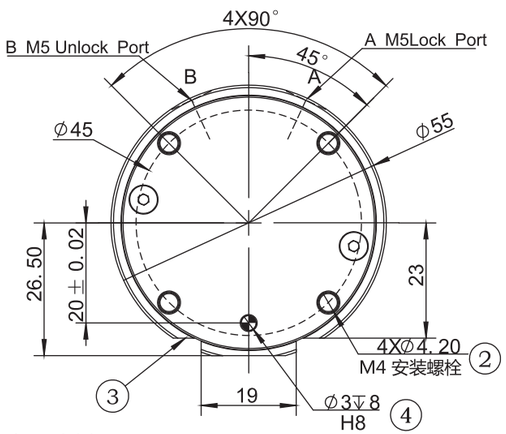
自动快换/Automatic Quick Changer

QCA-15

机器人侧
Robot side

货号(PN)	8.Y00353
型号(Model)	QCA-15R





机器人侧
Robot side

A.空气接口锁紧 The air connection locked

B.空气接口松开 Air connection released

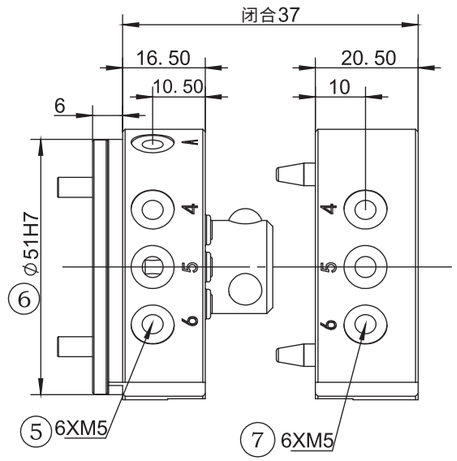
1.机械人侧连接 Robot side connection

2.螺纹连接用通孔 hreaded through-holes

3.选配件安装面 Optional mounting surface

夹具侧
Gripper side

货号(PN)	8.Y00354
型号(Model)	QCA-15G



4.连接用定位销 Positioning pin

5.直通型气孔 Straight through air hole

6.中心定位用 Central positioning

7.直通型气孔 Straight through air hole

产品参数/Parameter

1.建议额定载荷: 10~15 kg

2.锁紧力@80Psi (5.5Bar) 1150N

3.静态承载力矩 (X&Y): 26.5Nm

4.静态承载力矩 (Z): 35.3 Nm

5.位置重复精度 (X,Y&Z): ±0.015 mm

6.重量-锁紧后: 0.27 kg

7.机器人侧重量: 0.17 kg

8.夹具侧重量: 0.1 kg

9.最大允许角偏移±1°

10.直通型气孔尺寸（数量）:(6) M5

1.Recommended rated load : 10~15kg

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

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

4.Static Load torque (Z) : 35.3 Nm

5.Repeatability accuracy (X,Y&Z):±0.015 mm

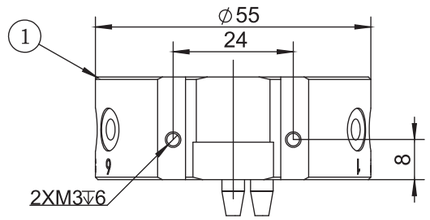
6.Weight after locked : 0.27 kg

7.Robot side's weight : 0.17 kg

8.Gripper side's weight: 0.1 kg

9.Maximum allowable angle deviation: ±1°

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

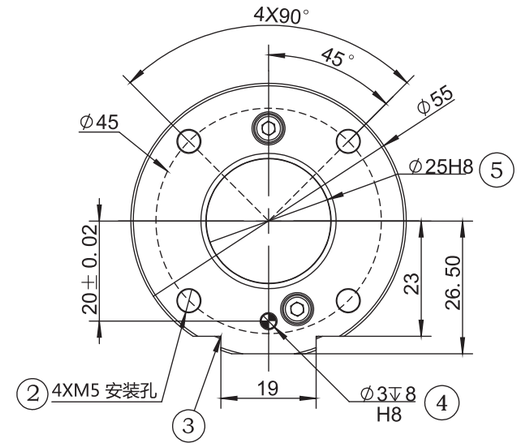


夹具侧
Gripper side

1.夹具侧连接用 Gripper side connection

2.螺纹连接用孔 Threaded holes

3.选配件安装面 Optional mounting surface



4.连接用定位销 Positioning pin

5.中心定位用 Central positioning

模块类型/Module Type

产品名称 Product name	型号 Model	货号 PN	工作电压 Working Voltage	工作电流 Working Current	接插件 Connector	接插件货号 Connector PN
机器人侧信号模块 Robot side signal module	QCSM-15R2	7.Y00468	50V	2.5A	D-Sub15R2-1000①	1.Y10080
夹具侧信号模块 Gripper side signal module	QCSM-15G2	7.Y00469	50V	2.5A	D-Sub15G2-1000①	1.Y10081

① 连接线线材长为1米 The wire's length is 1 meters

自动快换/Automatic Quick Changer

QCA-35

机器人侧
Robot side

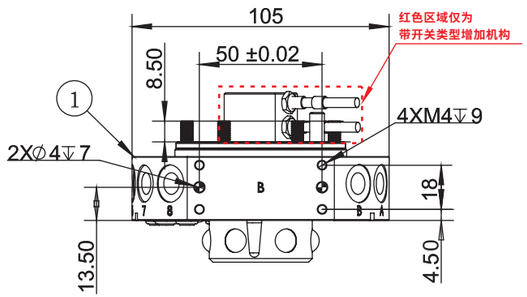
货号(PN)	8.Y00351
型号(Model)	QCA-35R

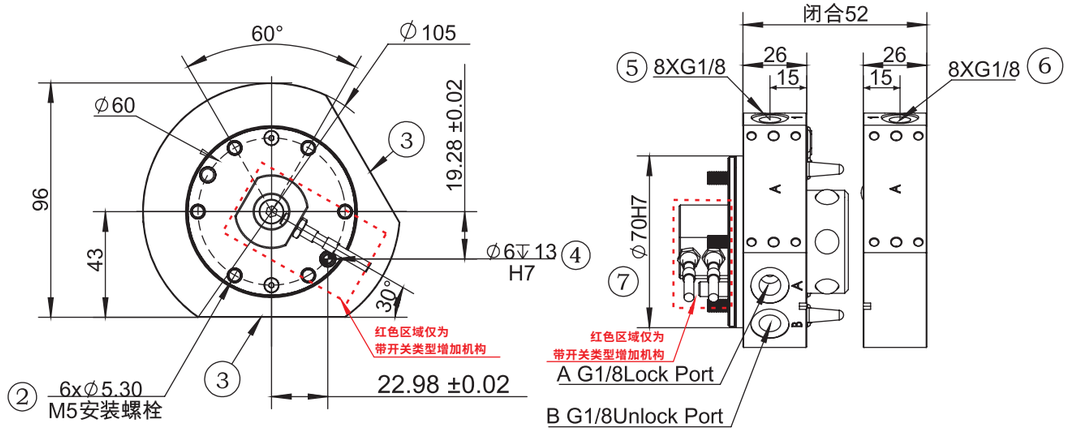
夹具侧
Gripper side

货号(PN)	8.Y00352
型号(Model)	QCA-35G

机器人侧带开关
Robot side strap switch

货号(PN)	8.Y00351-SP	8.Y00351-SN
型号(Model)	QCA-35R-SP	QCA-35R-SN
信号检测类别	PNP	NPN





机器人侧
Robot side

A.空气接口锁紧 The air connection locked

B.空气接口松开 Air connection released

1.机械人侧连接 Robot side connection

2.螺纹连接用通孔 Threaded through-holes

3.选配件安装面 Optional mounting surface

4.连接用定位销 Positioning pin

5.直通型气孔 Straight through air hole

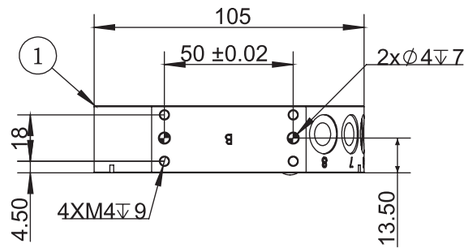
6.直通型气孔 Straight through air hole

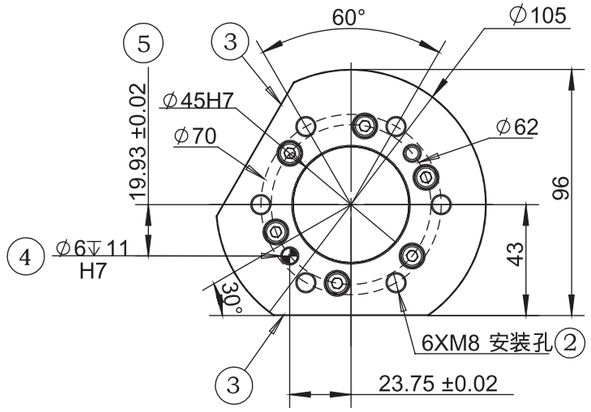
7.中心定位用 Central positioning

产品参数/Parameter

1.建议额定载荷: 25~35 kg
2.锁紧力@80Psi (5.5Bar) 2900N
3.静态承载力矩 (X&Y): 88.5Nm
4.静态承载力矩 (Z)：105 Nm
5.位置重复精度 (X,Y&Z)：±0.015 mm
6.重量-锁紧后：1.35 kg
7.机器人侧重量：0.85 kg
8.夹具侧重量：0.5 kg
9.最大允许角偏移±1°
10.直通型气孔尺寸（数量）:(8) G1/8

1.Recommended rated load : 25~35kg
2.Locking force@80Psi (5.5Bar) 2900 N
3.Static Load torque (X&Y) : 88.5 Nm
4.Static Load torque (Z) : 105 Nm
5.Repeatability accuracy (X,Y&Z) ±0.015 mm
6.Weight after locked : 1.35 kg
7.Robot side’ s weight : 0.85 kg
8.Gripper side’ s weight: 0.5 kg
9.Maximum allowable angle deviation: ±1°
10.Size of straight air hole (quantity) : (8) G1/8





夹具侧
Gripper side

1.夹具侧连接用 Gripper side connection

2.螺纹连接用孔 Threaded holes

3.选配件安装面 Optional mounting surface

4.连接用定位销 Positioning pin

5.中心定位用 Central positioning

模块类型/Module Type

产品名称 Product name	型号 Model	货号 PN	工作电压 Working Voltage	工作电流 Working Current	接插件 Connector	接插件货号 Connector PN
机器人侧信号模块 Robot side signal module	QCSM-15R2	7.Y00468	50V	2.5A	D-Sub15R2-1000①	1.Y10080
夹具侧信号模块 Gripper side signal module	QCSM-15G2	7.Y00469	50V	2.5A	D-Sub15G2-1000①	1.Y10081
机器人侧信号模块 Robot side signal module	QCSM-08R	7.Y00477	380V	30A	3108A22-23S②	1.Y10710
夹具侧信号模块 Gripper side signal module	QCSM-08G	7.Y00478	380V	30A	3108A22-23P②	1.Y10711
机器人侧信号模块 Robot side signal module	QCSM-19R	7.Y00954	220V	3A	MS3116F14-19S②	1.Y11420
					CMB08E-14-19S(072)SR-B②	1.Y11863
夹具侧信号模块 Gripper side signal module	QCSM-19G	7.Y00955	220V	3A	MS3116F14-19P②	1.Y11419
					CMB08E-14-19P(072)SR-B②	1.Y11864
机器人侧信号模块 Robot side signal module	QCSM-26R	7.Y00464	220V	3A	MS3116F16-26S②	1.Y11867
					CMB08E-16-26S(072)SR-B②	1.Y11865
夹具侧信号模块 Gripper side signal module	QCSM-26G	7.Y00465	220V	3A	MS3116F16-26P②	1.Y11369
					CMB08E-16-26P(072)SR-B②	1.Y11866

① 连接线线材长为1米 The wire's length is 1 meters

② 仅接头，不含线材 Joint only, no wire

气路扩展模块/Pneumatic Extension Module

产品名称 Product name	型号 Model	货号 PN	气路 Gas path	螺纹孔 Threaded hole
机器人侧气路扩展模块 Robot side Pneumatic Extension Module	QCAM-06G18R	7.Y01015	6	G1/8
夹具侧气路扩展模块 Gripper side Pneumatic Extension Module	QCAM-06G18G	7.Y01016	6	G1/8
机器人侧气路扩展模块 Robot side Pneumatic Extension Module	QCAM-06G18R-E	7.Y01018	6	G1/8
夹具侧气路扩展模块 Gripper side Pneumatic Extension Module	QCAM-06G18G-E	7.Y01019	6	G1/8

产品名称 Product name	型号 Model	货号 PN	气路 Gas path	螺纹孔 Threaded hole
机器人侧气路扩展模块 Robot side Pneumatic Extension Module	QCAM-10M5R	7.Y01053	10	M5
夹具侧气路扩展模块 Gripper side Pneumatic Extension Module	QCAM-10M5G	7.Y01054	10	M5
机器人侧气路扩展模块 Robot side Pneumatic Extension Module	QCAM-14M5R	7.Y01055	14	M5
夹具侧气路扩展模块 Gripper side Pneumatic Extension Module	QCAM-14M5G	7.Y01056	14	M5

自动快换/Automatic Quick Changer

QCA-50

机器人侧
Robot side

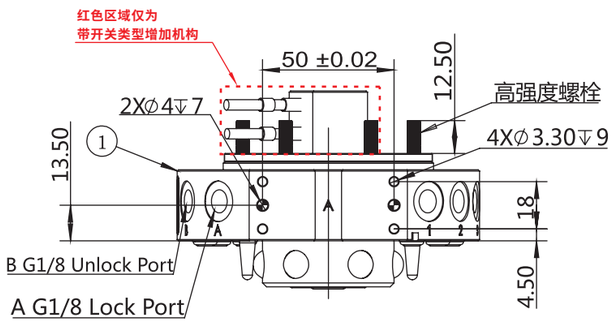
货号(PN)	8.Y00349
型号(Model)	QCA-50R

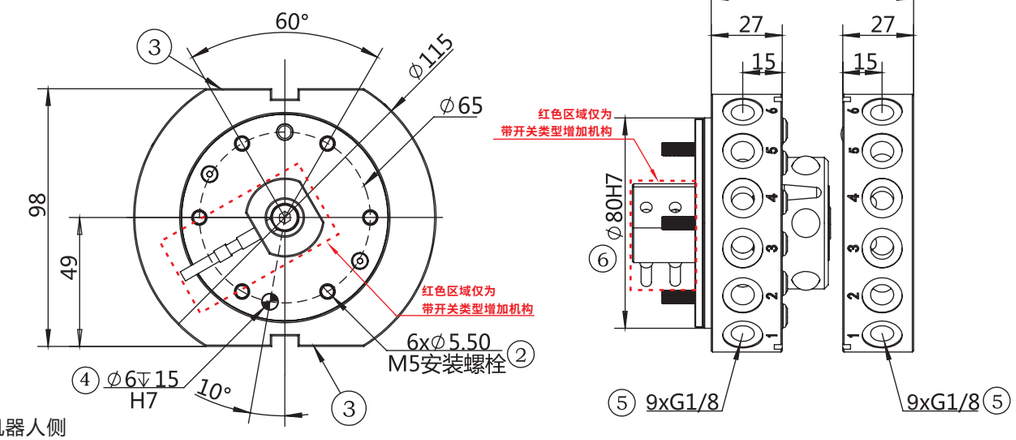
夹具侧
Gripper side

货号(PN)	8.Y00350
型号(Model)	QCA-50G

机器人侧带开关
Robot side strap switch

货号(PN)	8.Y00349-SP	8.Y00349-SN
型号(Model)	QCA-50R-SP	QCA-50R-SN
信号检测类别	PNP	NPN





机器人侧
Robot side

A.空气接口锁紧 The air connection locked

B.空气接口松开 Air connection released

1.机械人侧连接 Robot side connection

2.螺纹连接用通孔 Threaded through-holes

3.选配件安装面 Optional mounting surface

4.连接用定位销 Positioning pin

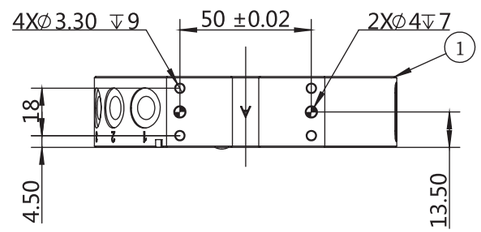
5.直通型气孔 Straight through air hole

6.中心定位用 Central positioning

产品参数/Parameter

1.建议额定载荷: 35~50 kg
2.锁紧力@80Psi (5.5Bar) 4600N
3.静态承载力矩 (X&Y): 165Nm
4.静态承载力矩 (Z)：226 Nm
5.位置重复精度 (X,Y&Z)：±0.015 mm
6.重量-锁紧后：1.68 kg
7.机器人侧重量：1.08 kg
8.夹具侧重量：0.6 kg
9.最大允许角偏移±1°
10.直通型气孔尺寸（数量）:(9) 1/8

1.Recommended rated load : 35~50kg
2.Locking force@80Psi (5.5Bar) 4600 N
3.Static Load torque (X&Y) : 165 Nm
4.Static Load torque (Z) : 226 Nm
5.Repeatability accuracy (X,Y&Z)±0.015 mm
6.Weight after locked : 1.68 kg
7.Robot side’ s weight : 1.08 kg
8.Gripper side’ s weight: 0.6 kg
9.Maximum allowable angle deviation: ±1°
10.Size of straight air hole (quantity) : (9) 1/8

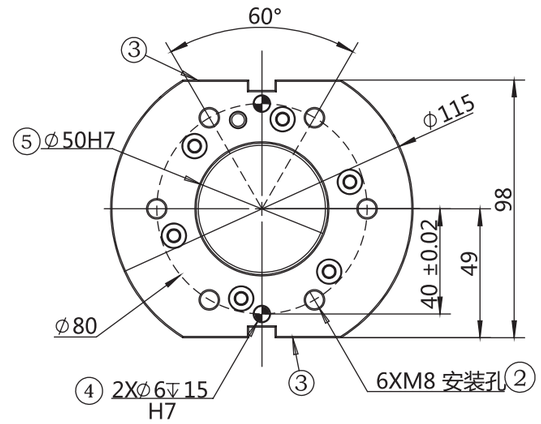


夹具侧
Gripper side

1.夹具侧连接用 Gripper side connection

2.螺纹连接用孔 Threaded holes

3.选配件安装面 Optional mounting surface



4.连接用定位销 Positioning pin

5.中心定位用 Central positioning

模块类型/Module Type

产品名称 Product name	型号 Model	货号 PN	工作电压 Working Voltage	工作电流 Working Current	接插件 Connector	接插件货号 Connector PN
机器人侧信号模块 Robot side signal module	QCSM-15R2	7.Y00468	50V	2.5A	D-Sub15R2-1000①	1.Y10080
夹具侧信号模块 Gripper side signal module	QCSM-15G2	7.Y00469	50V	2.5A	D-Sub15G2-1000①	1.Y10081
机器人侧信号模块 Robot side signal module	QCSM-08R	7.Y00477	380V	30A	3108A22-23S②	1.Y10710
夹具侧信号模块 Gripper side signal module	QCSM-08G	7.Y00478	380V	30A	3108A22-23P②	1.Y10711
机器人侧信号模块 Robot side signal module	QCSM-19R	7.Y00954	220V	3A	MS3116F14-19S②	1.Y11420
					CMB08E-14-19S(072)SR-B②	1.Y11863
夹具侧信号模块 Gripper side signal module	QCSM-19G	7.Y00955	220V	3A	MS3116F14-19P②	1.Y11419
					CMB08E-14-19P(072)SR-B②	1.Y11864
机器人侧信号模块 Robot side signal module	QCSM-26R	7.Y00464	220V	3A	MS3116F16-26S②	1.Y11867
					CMB08E-16-26S(072)SR-B②	1.Y11865
夹具侧信号模块 Gripper side signal module	QCSM-26G	7.Y00465	220V	3A	MS3116F16-26P②	1.Y11369
					CMB08E-16-26P(072)SR-B②	1.Y11866

① 连接线线材长为1米 The wire's length is 1 meters

② 仅接头，不含线材 Joint only, no wire

气路扩展模块/Pneumatic Extension Module

产品名称 Product name	型号 Model	货号 PN	气路 Gas path	螺纹孔 Threaded hole
机器人侧气路扩展模块 Robot side Pneumatic Extension Module	QCAM-06G18R	7.Y01015	6	G1/8
夹具侧气路扩展模块 Gripper side Pneumatic Extension Module	QCAM-06G18G	7.Y01016	6	G1/8
机器人侧气路扩展模块 Robot side Pneumatic Extension Module	QCAM-06G18R-E	7.Y01018	6	G1/8
夹具侧气路扩展模块 Gripper side Pneumatic Extension Module	QCAM-06G18G-E	7.Y01019	6	G1/8

产品名称 Product name	型号 Model	货号 PN	气路 Gas path	螺纹孔 Threaded hole
机器人侧气路扩展模块 Robot side Pneumatic Extension Module	QCAM-10M5R	7.Y01053	10	M5
夹具侧气路扩展模块 Gripper side Pneumatic Extension Module	QCAM-10M5G	7.Y01054	10	M5
机器人侧气路扩展模块 Robot side Pneumatic Extension Module	QCAM-14M5R	7.Y01055	14	M5
夹具侧气路扩展模块 Gripper side Pneumatic Extension Module	QCAM-14M5G	7.Y01056	14	M5

自动快换/Automatic Quick Changer

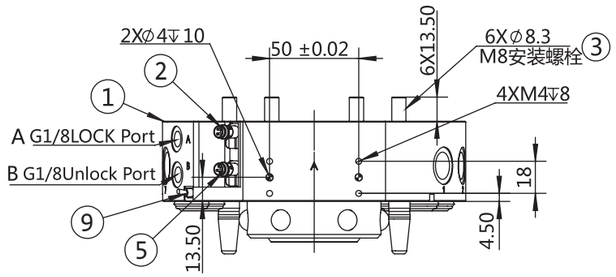
QCA-100

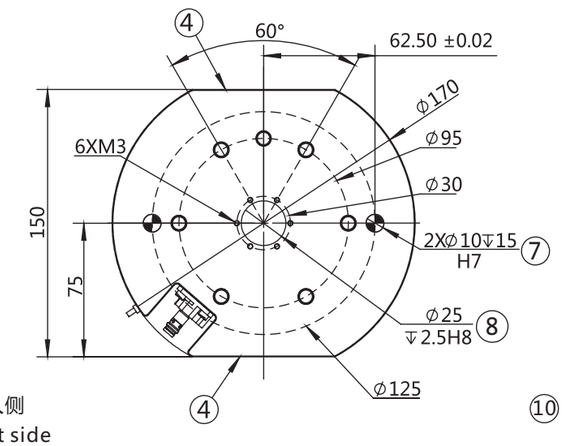
机器人侧
Robot side

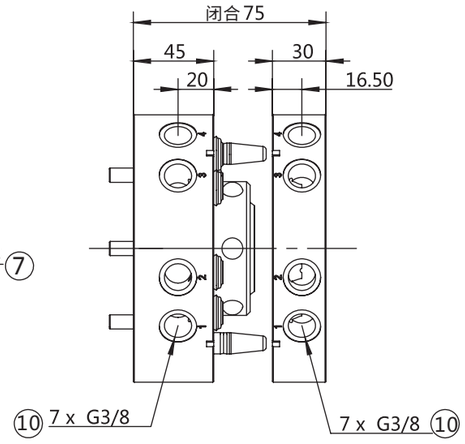
夹具侧
Gripper side

货号(PN)	8.Y00362-SP	8.Y00362-SN
型号(Model)	QCA-100R-SP	QCA-100R-SN
信号检测类别	PNP	NPN

货号(PN)	8.Y00363
型号(Model)	QCA-100G







机器人侧
Robot side

A.空气接口锁紧 The air connection locked

B.空气接口松开 Air connection released

1.机械人侧连接 Robot side connection

2.监控位置锁紧 Monitoring position locked

3.螺纹连接用通孔 Threaded through-holes

4.选配件安装面 Optional mounting surface

5.监控位置松开 Monitor position released

7.连接用定位销 Positioning pin

8.中心定位用 Central positioning

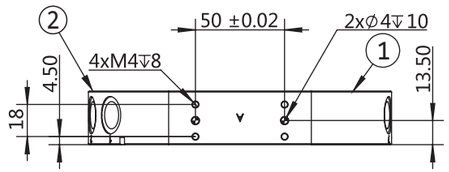
9.机器人侧确认接近开关 Proximity switch for robot side confirmation

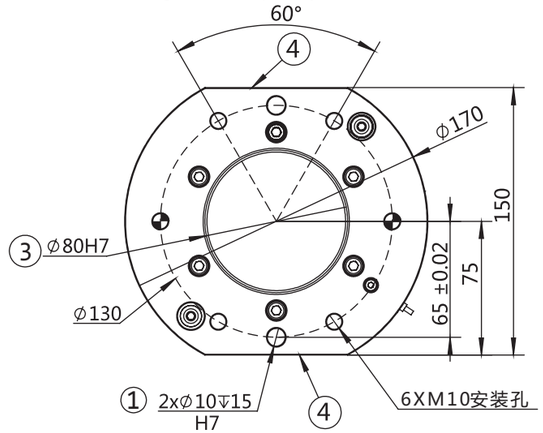
10.直通型气孔 Straight through air hole

产品参数/Parameter

1.建议额定载荷： 70~100 kg
2.锁紧力@80Psi (5.5Bar) 12000 N
3.静态承载力矩 (X&Y) : 538 Nm
4.静态承载力矩 (Z) : 720 Nm
5.位置重复精度 (X,Y&Z) : ± 0.015 mm
6.重量-锁紧后： 5.13 kg
7.机器人侧重量： 3.57 kg
8.夹具侧重量： 1.56 kg
9.最大允许角偏移： ±1°
10.直通型气孔尺寸（数量）： (7) G3/8

1.Recommended rated load : 70~100kg
2.Locking force@80Psi (5.5Bar) 12000 N
3.Static Load torque (X&Y) : 538 Nm
4.Static Load torque (Z) : 720 Nm
5.Repeatability accuracy (X,Y&Z) : ±0.015 mm
6.Weight after locked : 5.13 kg
7.Robot side’ s weight : 3.57 kg
8.Gripper side’ s weight : 1.56 kg
9.Maximum allowable angle deviation : ±1°
10.Size of straight air hole (quantity) : (7) G3/8





夹具侧
Gripper side

1.连接用定位销 Positioning pin

2.夹具侧连接 Gripper side connection

3.中心定位用 Central positioning

4.选配件安装面 Optional mounting surface

模块类型/Module Type

产品名称 Product name	型号 Model	货号 PN	工作电压 Working Voltage	工作电流 Working Current	接插件 Connector	接插件货号 Connector PN
机器人侧信号模块 Robot side signal module	QCSM-15R2	7.Y00468	50V	2.5A	D-Sub15R2-1000①	1.Y10080
夹具侧信号模块 Gripper side signal module	QCSM-15G2	7.Y00469	50V	2.5A	D-Sub15G2-1000①	1.Y10081
机器人侧信号模块 Robot side signal module	QCSM-08R	7.Y00477	380V	30A	3108A22-23S②	1.Y10710
夹具侧信号模块 Gripper side signal module	QCSM-08G	7.Y00478	380V	30A	3108A22-23P②	1.Y10711
机器人侧信号模块 Robot side signal module	QCSM-19R	7.Y00954	220V	3A	MS3116F14-19S②	1.Y11420
					CMB08E-14-19S(072)SR-B②	1.Y11863
夹具侧信号模块 Gripper side signal module	QCSM-19G	7.Y00955	220V	3A	MS3116F14-19P②	1.Y11419
					CMB08E-14-19P(072)SR-B②	1.Y11864
机器人侧信号模块 Robot side signal module	QCSM-26R	7.Y00464	220V	3A	MS3116F16-26S②	1.Y11867
					CMB08E-16-26S(072)SR-B②	1.Y11865
夹具侧信号模块 Gripper side signal module	QCSM-26G	7.Y00465	220V	3A	MS3116F16-26P②	1.Y11369
					CMB08E-16-26P(072)SR-B②	1.Y11866

① 连接线线材长为1米 The wire's length is 1 meters

② 仅接头，不含线材 Joint only, no wire

气路扩展模块/Pneumatic Extension Module

产品名称 Product name	型号 Model	货号 PN	气路 Gas path	螺纹孔 Threaded hole
机器人侧气路扩展模块 Robot side Pneumatic Extension Module	QCAM-06G18R	7.Y01015	6	G1/8
夹具侧气路扩展模块 Gripper side Pneumatic Extension Module	QCAM-06G18G	7.Y01016	6	G1/8
机器人侧气路扩展模块 Robot side Pneumatic Extension Module	QCAM-06G18R-E	7.Y01018	6	G1/8
夹具侧气路扩展模块 Gripper side Pneumatic Extension Module	QCAM-06G18G-E	7.Y01019	6	G1/8

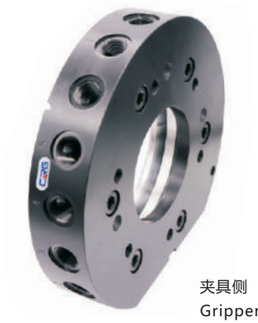
产品名称 Product name	型号 Model	货号 PN	气路 Gas path	螺纹孔 Threaded hole
机器人侧气路扩展模块 Robot side Pneumatic Extension Module	QCAM-10M5R	7.Y01053	10	M5
夹具侧气路扩展模块 Gripper side Pneumatic Extension Module	QCAM-10M5G	7.Y01054	10	M5
机器人侧气路扩展模块 Robot side Pneumatic Extension Module	QCAM-14M5R	7.Y01055	14	M5
夹具侧气路扩展模块 Gripper side Pneumatic Extension Module	QCAM-14M5G	7.Y01056	14	M5

自动快换/Automatic Quick Changer

QCA-200

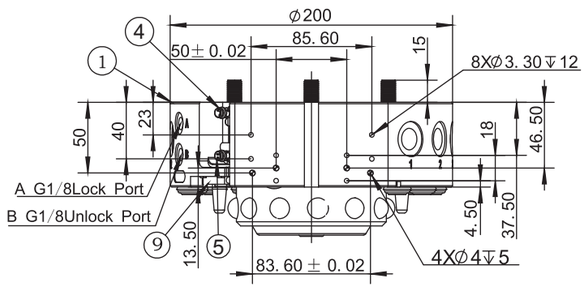
机器人侧
Robot side

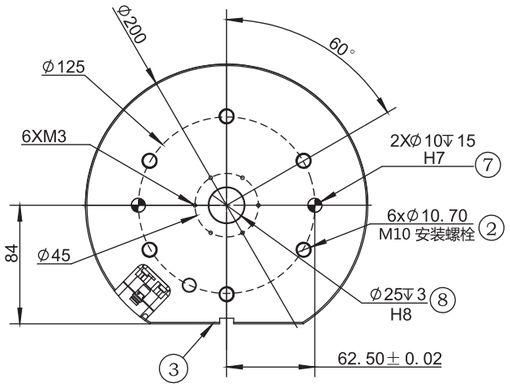
货号(PN)	8.Y00272-SP	8.Y00272-SN
型号(Model)	QCA-200R-SP	QCA-200R-SN
信号检测类别	PNP	NPN

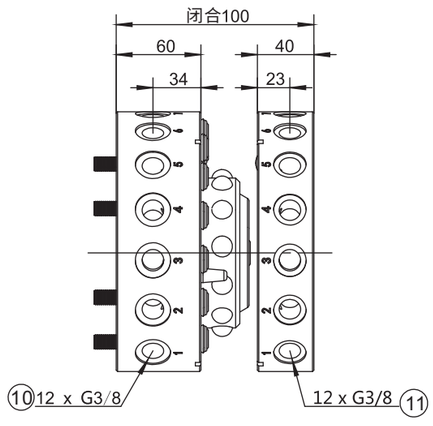


夹具侧
Gripper side

货号(PN)	8.Y00357
型号(Model)	QCA-200G







机器人侧
Robot side

A.空气接口锁紧 The air connection locked

B.空气接口松开 Air connection released

1.机械人侧连接 Robot side connection

2.螺纹连接用通孔 Threaded through-holes

3.选配件安装面 Optional mounting surface

4.监控位置锁紧 Monitoring position locked

5.监控位置松开 Monitor position released

7.连接用定位销 Positioning pin

8.中心定位用 Central positioning

9.机器人侧确认接近开关 Proximity switch for robot side confirmation

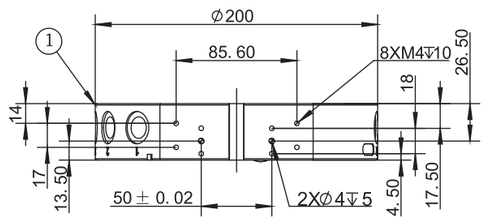
10.直通型气孔 Straight through air hole

11.直通型气孔 Straight through air hole

产品参数/Parameter

1.建议额定载荷： 150~300 kg
2.锁紧力@80Psi（5.5Bar） 16000 N
3.静态承载力矩（X&Y）： 1360 Nm
4.静态承载力矩（Z）： 1130 Nm
5.位置重复精度（X,Y&Z）: ±0.015 mm
6.重量-锁紧后： 9 kg
7.机器人侧重量： 6.2 kg
8.夹具侧重量： 2.8 kg
9.最大允许角偏移： ±1°
10.直通型气孔尺寸（数量）： (12) 3/8

1.Recommended rated load : 150~300kg
2.Locking force@80Psi (5.5Bar) 16000 N
3.Static Load torque (X&Y) : 1360 Nm
4.Static Load torque (Z) : 1130 Nm
5.Repeatability accuracy (X,Y&Z):±0.015 mm
6.Weight after locked : 9 kg
7.Robot side’ s weight : 6.2 kg
8.Gripper side’ s weight : 2.8 kg
9.Maximum allowable angle deviation:±1°
10.Size of straight air hole (quantity) : (12) 1/8

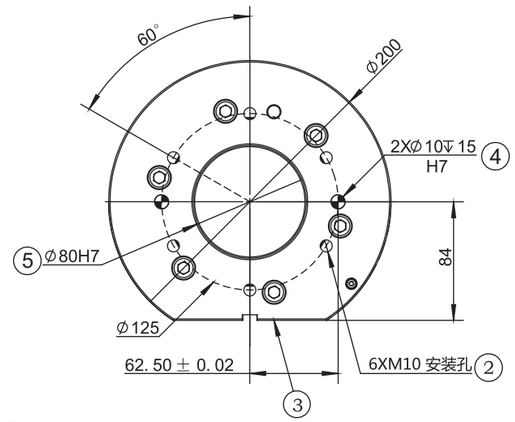


夹具侧
Gripper side

1.夹具侧连接 Gripper side connection

2.螺纹连接用通孔 Threaded through-holes

3.选配件安装面 Optional mounting surface



4.连接用定位销 Positioning pin

5.中心定位用 Central positioning

模块类型/Module Type

产品名称 Product name	型号 Model	货号 PN	工作电压 Working Voltage	工作电流 Working Current	接插件 Connector	接插件货号 Connector PN
机器人侧信号模块 Robot side signal module	QCSM-15R2	7.Y00468	50V	2.5A	D-Sub15R2-1000①	1.Y10080
夹具侧信号模块 Gripper side signal module	QCSM-15G2	7.Y00469	50V	2.5A	D-Sub15G2-1000①	1.Y10081
机器人侧信号模块 Robot side signal module	QCSM-08R	7.Y00477	380V	30A	3108A22-23S②	1.Y10710
夹具侧信号模块 Gripper side signal module	QCSM-08G	7.Y00478	380V	30A	3108A22-23P②	1.Y10711
机器人侧信号模块 Robot side signal module	QCSM-19R	7.Y00954	220V	3A	MS3116F14-19S②	1.Y11420
					CMB08E-14-19S(072)SR-B②	1.Y11863
夹具侧信号模块 Gripper side signal module	QCSM-19G	7.Y00955	220V	3A	MS3116F14-19P②	1.Y11419
					CMB08E-14-19P(072)SR-B②	1.Y11864
机器人侧信号模块 Robot side signal module	QCSM-26R	7.Y00464	220V	3A	MS3116F16-26S②	1.Y11867
					CMB08E-16-26S(072)SR-B②	1.Y11865
夹具侧信号模块 Gripper side signal module	QCSM-26G	7.Y00465	220V	3A	MS3116F16-26P②	1.Y11369
					CMB08E-16-26P(072)SR-B②	1.Y11866

① 连接线线材长为1米 The wire's length is 1 meters

② 仅接头，不含线材 Joint only, no wire

气路扩展模块/Pneumatic Extension Module

产品名称 Product name	型号 Model	货号 PN	气路 Gas path	螺纹孔 Threaded hole
机器人侧气路扩展模块 Robot side Pneumatic Extension Module	QCAM-06G18R	7.Y01015	6	G1/8
夹具侧气路扩展模块 Gripper side Pneumatic Extension Module	QCAM-06G18G	7.Y01016	6	G1/8
机器人侧气路扩展模块 Robot side Pneumatic Extension Module	QCAM-06G18R-E	7.Y01018	6	G1/8
夹具侧气路扩展模块 Gripper side Pneumatic Extension Module	QCAM-06G18G-E	7.Y01019	6	G1/8

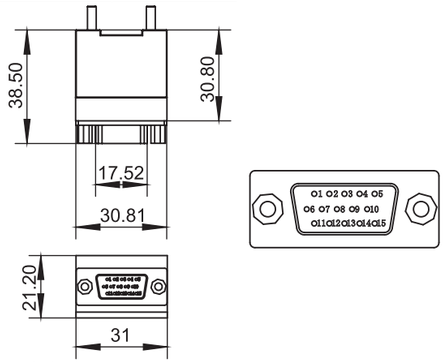
产品名称 Product name	型号 Model	货号 PN	气路 Gas path	螺纹孔 Threaded hole
机器人侧气路扩展模块 Robot side Pneumatic Extension Module	QCAM-10M5R	7.Y01053	10	M5
夹具侧气路扩展模块 Gripper side Pneumatic Extension Module	QCAM-10M5G	7.Y01054	10	M5
机器人侧气路扩展模块 Robot side Pneumatic Extension Module	QCAM-14M5R	7.Y01055	14	M5
夹具侧气路扩展模块 Gripper side Pneumatic Extension Module	QCAM-14M5G	7.Y01056	14	M5

模块类型/Module Type

QCSM-15

机器人侧模块
Robot side module

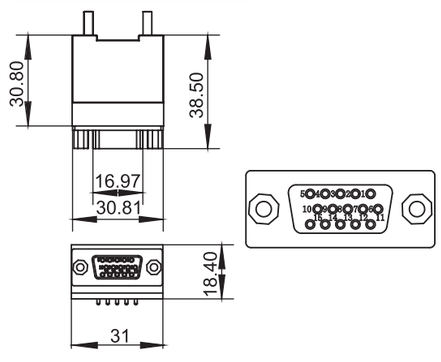
货号(PN)	7.Y00965
型号(Model)	QCSM-15R1



※ 电流Voltage：50V
※ 电压Current：2.5A
※ 重量：30.5g

夹具侧模块
Gripper side module

货号(PN)	7.Y00966
型号(Model)	QCSM-15G1

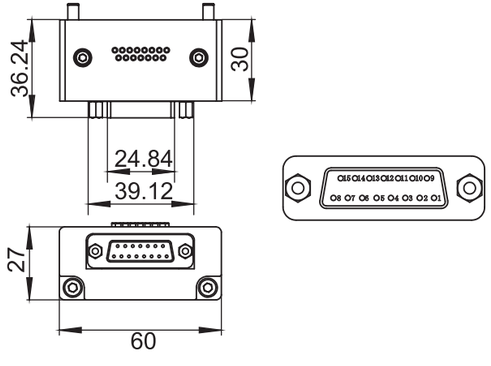


※ 电流Voltage：50V
※ 电压Current：2.5A
※ 重量：29.8g

QCSM-15

机器人侧模块
Robot side module

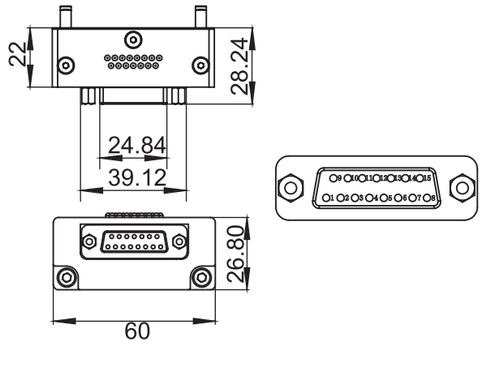
货号(PN)	7.Y00468
型号(Model)	QCSM-15R2



※ 电流Voltage：50V
※ 电压Current：2.5A
※ 重量：68g

夹具侧模块
Gripper side module

货号(PN)	7.Y00469
型号(Model)	QCSM-15G2



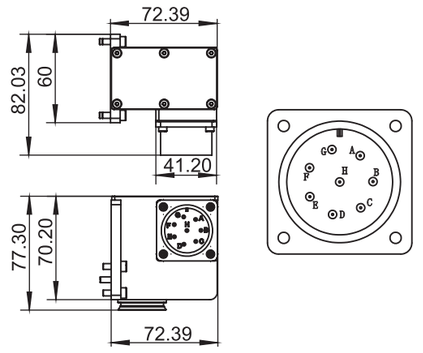
※ 电流Voltage：50V
※ 电压Current：2.5A
※ 重量：48.5g

模块类型/Module Type

QCSM-08

机器人侧模块
Robot side module

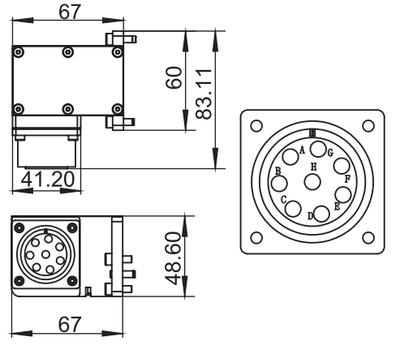
货号(PN)	7.Y00477
型号(Model)	QCSM-08R



※ 电流Voltage：380V
※ 电压Current：30A
※ 重量：434.7g

夹具侧模块
Gripper side module

货号(PN)	7.Y00478
型号(Model)	QCSM-08G

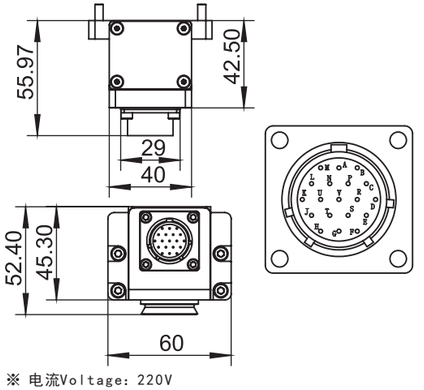


※ 电流Voltage：380V
※ 电压Current：30A
※ 重量：330g

QCSM-19

机器人侧模块
Robot side module

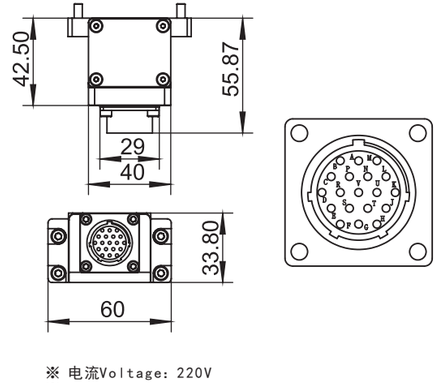
货号(PN)	7.Y00954
型号(Model)	QCSM-19R



※ 电流Voltage：220V
※ 电压Current：3A
※ 重量：178.3g

夹具侧模块
Gripper side module

货号(PN)	7.Y00955
型号(Model)	QCSM-19G



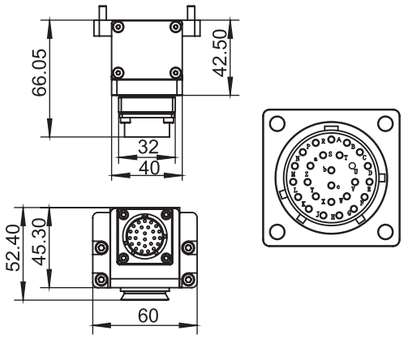
※ 电流Voltage：220V
※ 电压Current：3A
※ 重量：130.7g

模块类型/Module Type

QCSM-26

机器人侧模块
Robot side module

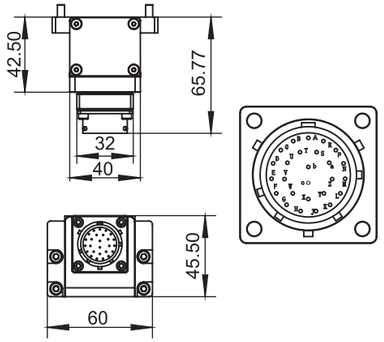
货号(PN)	7.Y00464
型号(Model)	QCSM-26R



※ 电流Voltage：220V
※ 电压Current：3A
※ 重量Weight：198.5g

夹具侧模块
Gripper side module

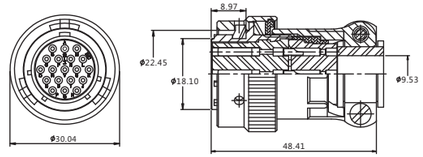
货号(PN)	7.Y00465
型号(Model)	QCSM-26G



※ 电流Voltage：220V
※ 电压Current：3A
※ 重量Weight：178.2g

接头/Connector

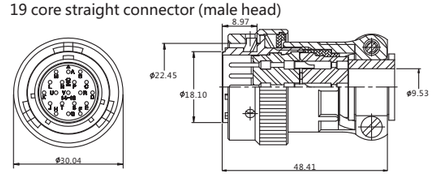
19芯直头接头(母头)
19 core straight connector (female head)



货号(PN)	1.Y11420
型号(Model)	MS3116F14-19S

※ 重量Weight：36.8g

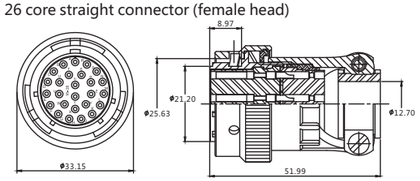
19芯直头接头(公头)
19 core straight connector (male head)



货号(PN)	1.Y11419
型号(Model)	MS3116F14-19P

※ 重量Weight：36.8g

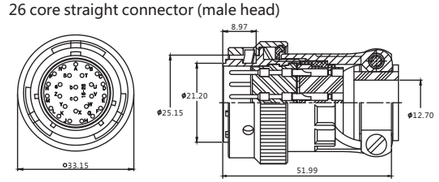
26芯直头接头(母头)
26 core straight connector (female head)



货号(PN)	1.Y11867
型号(Model)	MS3116F16-26S

※ 重量Weight：44.8g

26芯直头接头(公头)
26 core straight connector (male head)

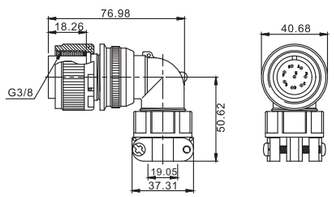


货号(PN)	1.Y11369
型号(Model)	MS3116F16-26P

※ 重量Weight：44.8g

90°接头/90° Connector

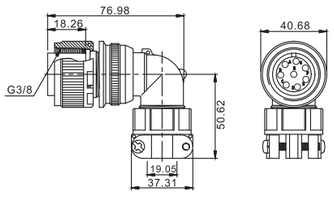
8芯90°接头(母头)
19 core 90° connector (female head)



货号(PN)	1.Y10710
型号(Model)	3108A22-23S

※ 重量Weight：81.1g

8芯90°接头(公头)
19 core 90° connector (male head)



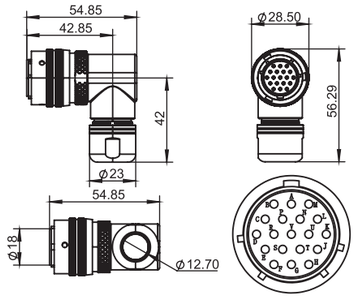
货号(PN)	1.Y10711
型号(Model)	3108A22-23P

※ 重量Weight：79.2g

90°接头/90° Connector

19芯90°接头(母头)

19 core 90° connector (female head)

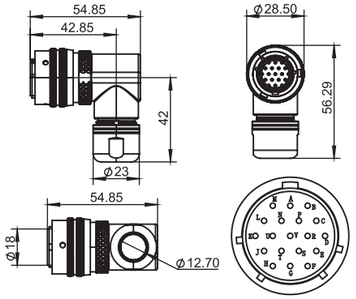


货号(PN)	1.Y11863
型号(Model)	CMB08E-14-19S(072)SR-B

※ 重量Weight：81.1g

19芯90°接头(公头)

19 core 90° connector (male head)

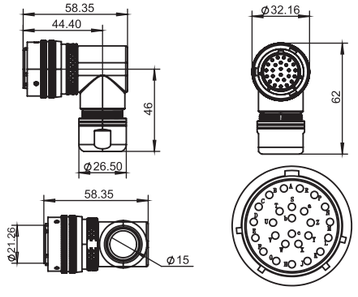


货号(PN)	1.Y11864
型号(Model)	CMB08E-14-19P(072)SR-B

※ 重量Weight：79.2g

26芯90°接头(母头)

26 core 90° connector (female head)

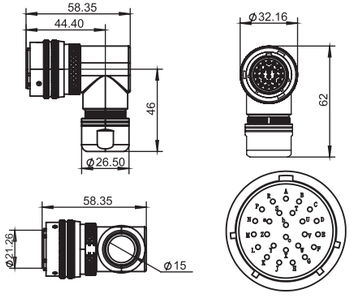


货号(PN)	1.Y11865
型号(Model)	CMB08E-16-26S(072)SR-B

※ 重量Weight：99.5g

26芯90°接头(公头)

26 core 90° connector (male head)



货号(PN)	1.Y11866
型号(Model)	CMB08E-16-26P(072)SR-B

※ 重量Weight：96.4g

快换信号线/Quick changer signal cable

15芯快换信号线(母头)

15 core quick changer signal cable (female head)

货号(PN)	1.Y10163
型号(Model)	DB15R1-1000

※ 重量Weight：125.7g
※ 连接线线材长为1米 The wire's length is 1 meters

15芯快换信号线(公头)

15 core quick changer signal cable (male head)

货号(PN)	1.Y10437
型号(Model)	DB15G1-1000

※ 重量Weight：123.7g
※ 连接线线材长为1米 The wire's length is 1 meters

15芯快换信号线(母头)

15 core quick changer signal cable (female head)

货号(PN)	1.Y10080
型号(Model)	D-Sub15R2-1000

※ 重量Weight：142g
※ 连接线线材长为1米 The wire's length is 1 meters

15芯快换信号线(公头)

15 core quick changer signal cable (male head)

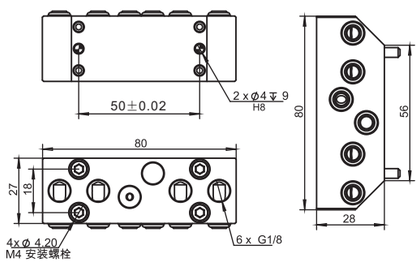
货号(PN)	1.Y10081
型号(Model)	D-Sub15R2-1000

※ 重量Weight：141.4g
※ 连接线线材长为1米 The wire's length is 1 meters

气路扩展模块/Pneumatic Extension Module

机器人侧模块
Robot side module

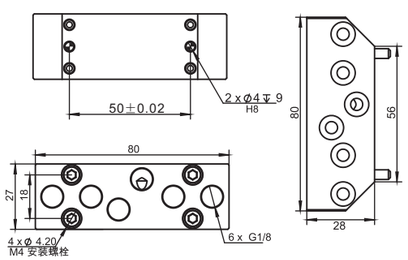
货号(PN)	7.Y01015
型号(Model)	QCAM-06G18R



※ 重量Weight：141.4g

夹具侧模块
Gripper side module

货号(PN)	7.Y01016
型号(Model)	QCAM-06G18G

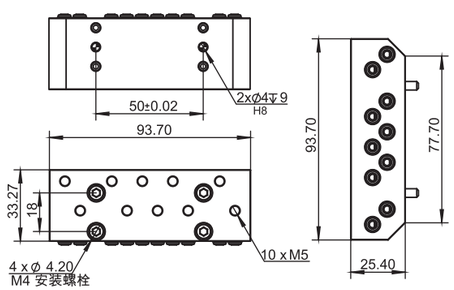


※ 重量Weight：140.9g

气路扩展模块/Pneumatic Extension Module

机器人侧模块
Robot side module

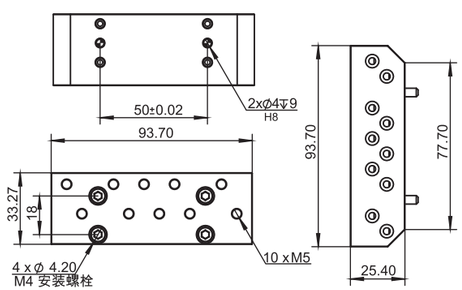
货号(PN)	7.Y01053
型号(Model)	QCAM-10M5R



※ 重量Weight：263.9g

夹具侧模块
Gripper side module

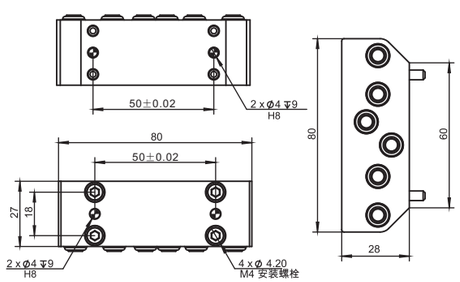
货号(PN)	7.Y01054
型号(Model)	QCAM-10M5G



※ 重量Weight：263.9g

机器人侧模块
Robot side module

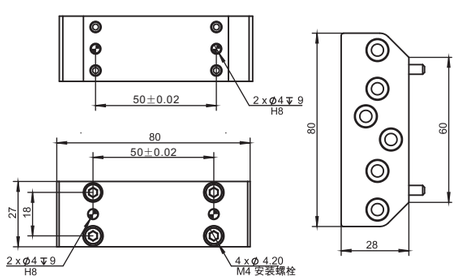
货号(PN)	7.Y01018
型号(Model)	QCAM-06G18R-E



※ 重量Weight：145g

夹具侧模块
Gripper side module

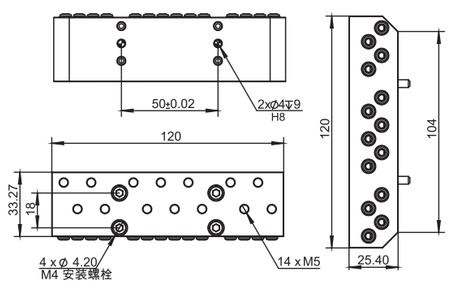
货号(PN)	7.Y01019
型号(Model)	QCAM-06G18G-E



※ 重量Weight：148g

机器人侧模块
Robot side module

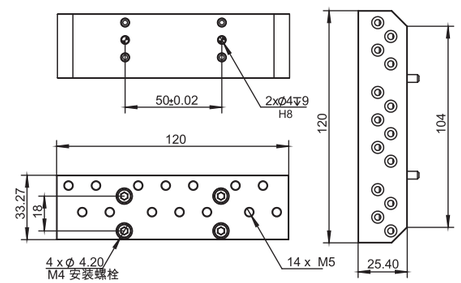
货号(PN)	7.Y01055
型号(Model)	QCAM-14M5R



※ 重量Weight：207.4g

侧模块
Gripper side module

货号(PN)	7.Y01056
型号(Model)	QCAM-14M5G



※ 重量Weight：210.3g

手动快速转换模块/Manual Quick Changer

QC-R90K

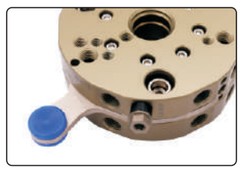
QC-G90

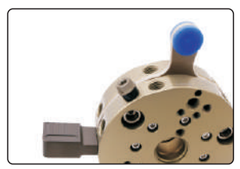
- 机械手上的EOAT易于更换
- 同样适用于真空端。
- 避免了在气动和电气连接时的错误。
- 4, 8,10或12个气动连接。
- 两部分(机械手侧和治具侧) 分开提供。

- Easy replacement of the EOAT on the robot.
- Suitable also with vacuum ports.
- Avoids mistakes in pneumatic and electrical connections.
- 4, 8, 10 or 12pneumatic connections.
- The two parts (robot side and gripper side) are supplied separately.

型号(Model)	QC50	QC90	QC150	QC160	QC200
介质 Medium	已过滤压缩空气 Filtered compressed air				
压力范围 Pressure range	5~6 bar				
温度范围 Temperature range	5 ~ 60 °C				
机械手侧的快速转换模块 Robot side quick changer	QC-R50K	QC-R90K	QC-R150K	QC-R160K	QC-R200K
机械手侧的快速转换模块重量 Robot side quick changer weight	103 g	318 g	1159 g	1200 g	2640 g
治具侧的快速转换模块 Gripper side quick changer	QC-G50	QC-G90	QC-G150	QC-G160	QC-G200
治具侧的快速转换模块重量 Gripper side quick changer weight	65 g	227 g	837g	900 g	1890 g
垂直拉力 F	150N	400N	1000N	1000N	2000N
旋转扭距 Mt	20Nm	100Nm	250Nm	250Nm	600Nm
翻转扭距 Mb	10Nm	60Nm	150Nm	150Nm	300Nm
建议负载 Recomended payload	5kg	15kg	35kg	35kg	75kg
颜色 Colour	古铜色 Brass	古铜色 Brass	黑色 Black	古铜色 Brass	黑色 Black

安装使用示例
Installation and use example





附锁安装示例
Example of Install with lock

配件/Accessories

电气连接组件

- D-SUB 9 针连接器 I/O 快速转换模块.
- 两部分分开提供:

QCSM-9R2 机械手侧信号模块

QCSM-9G2 治具侧信号模块

R9-1000 45度金属母接头

G9-1000 45度金属公接头

Electrical connection module

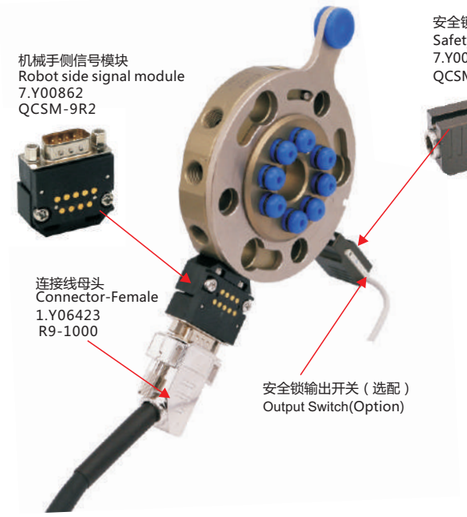
- I/O quick change by D-SUB 9 pins connector.
- The two parts are supplied separately:

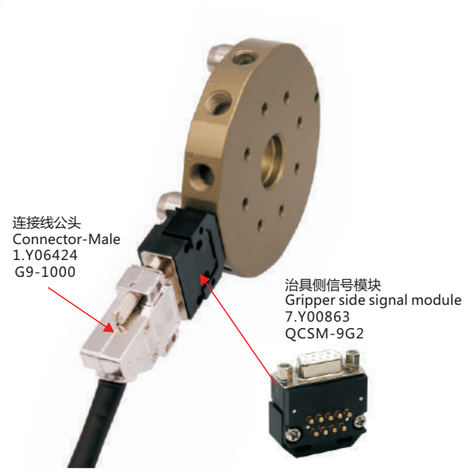
QCSM-9R2 robot side signal module.

QCSM-9G2 gripper side signal module.

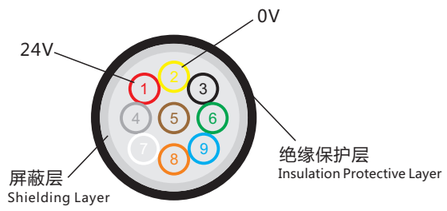
R9-1000 45 degree metal female fitting

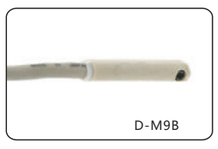
G9-1000 45 degree metal male fitting





信号线截面示意图/Singal Wire Cross-sectional Sketch Map





安全锁输出开关
Output Switch

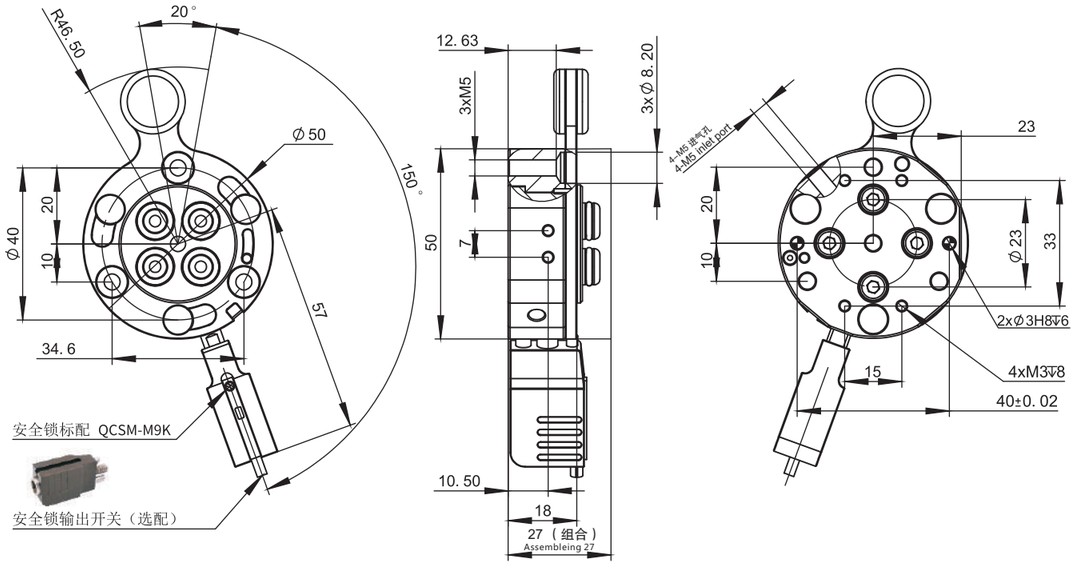
圆形手动快换/Round Manual Quick Changer

QC-50

产品参数/Parameter

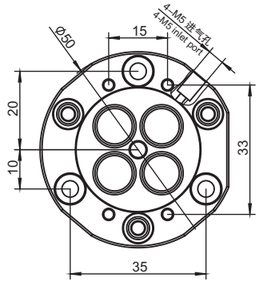
型号	Model	QC50
介质	Medium	已过滤压缩空气
压力范围	Pressure range	5~6 bar
温度范围	Temperature range	5 ~ 60 °C
机械手侧的快速转换模块	Robot side quick changer	QC-R50K
机械手侧的快速转换模块重量	Robot side quick changer weight	103 g
治具侧的快速转换模块	Gripper side quick changer	QC-G50
治具侧的快速转换模块重量	Gripper side quick changer weight	65 g
垂直拉力	Vertical Pulling Force F	150N
旋转扭矩	Rotating Torque Mt	20Nm
翻转扭矩	Reversal Torque Mb	10Nm
建议负载	Recomended payload	5kg
精度	Precision	±0.05
颜色	Colour	古铜色

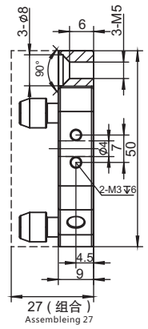
尺寸说明/Dimension description

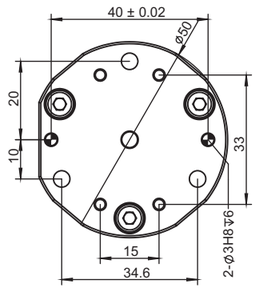


机械手侧的快速转换模块
Robot side quick changer

货号(PN)	8.Y00402
型号(Model)	QC-R50K







治具侧的快速转换模块
Gripper side quick changer

货号(PN)	8.Y00055
型号(Model)	QC-G50

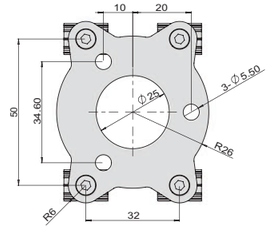
模块类型/Module Type

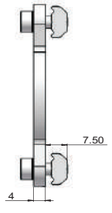
产品图 Product	产品名称 Product name	型号 Model	货号 PN	I/O连接类型 I/O connection type	工作电流 Working Current	连接线 Wire-Male
	机械手侧信号模块 Robot side signal module	QCSM-9R1	7.Y00823	9针D-SUB	MAX 3A	R9-1000 (1.Y06423)
	治具侧信号模块 Gripper side signal module	QCSM-9G1	7.Y00824	9针D-SUB	MAX 3A	G9-1000 (1.Y06424)

*R9-1000、G9-1000选配，连接线线长为1米
*R9-1000、G9-1000option,The wire`s length is 1 meters

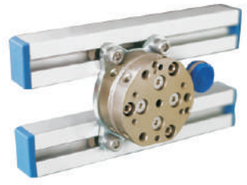
快换连接板/Interface (螺钉套件选配) (Kit With Screws Option)

注: 如需螺钉套件货号和型号加T 如: 型号SIP-50BT 货号7.Y00650-T





货号(PN)	7.Y00650
型号(Model)	SIP-50B
QC-G...	QC-G50
厚度(T)	4mm
螺钉选配件 Accessorier selection	
螺丝(Screws)	PTC-M5L12*4
双齿平垫(Single hole shim)	PTS-M5*4
T型螺母(T-Nuts)	PTN-M5*4
总重量(Weight)	90g



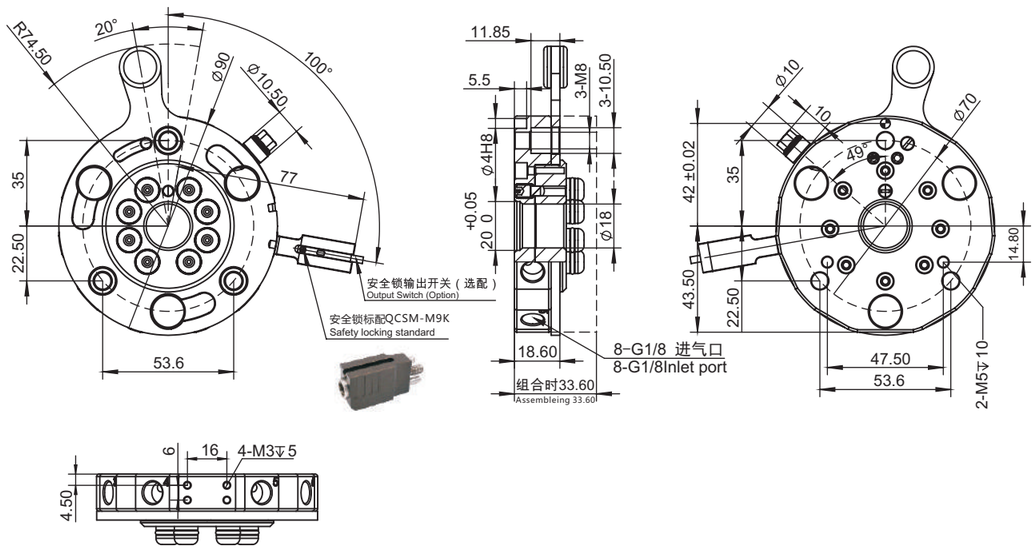
圆形手动快换/Round Manual Quick Changer

QC-90

产品参数/Parameter

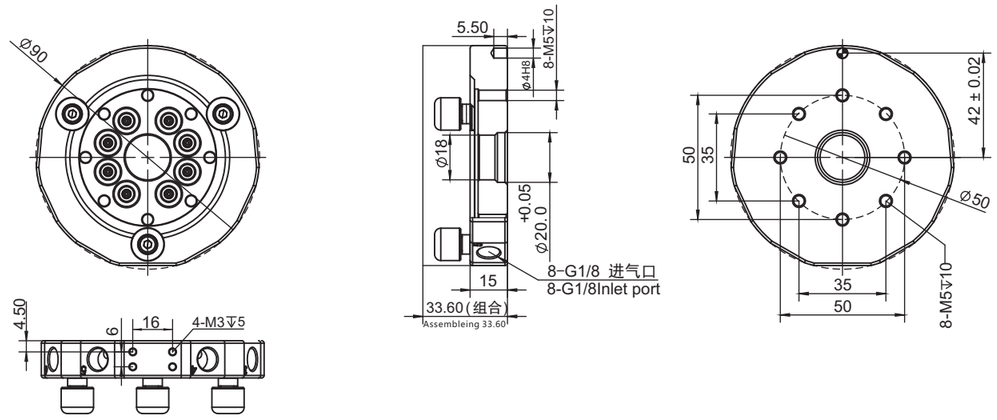
型号	Model	QC90
介质	Medium	已过滤压缩空气
压力范围	Pressure range	5~6 bar
温度范围	Temperature range	5 ~ 60 °C
机械手侧的快速转换模块	Robot side quick changer	QC-R90K
机械手侧的快速转换模块重量	Robot side quick changer weight	318 g
治具侧的快速转换模块	Gripper side quick changer	QC-G90
治具侧的快速转换模块重量	Gripper side quick changer weight	227 g
垂直拉力	Vertical Pulling Force F	400N
旋转扭矩	Rotating Torque Mt	100Nm
翻转扭矩	Reversal Torque Mb	60Nm
建议负载	Recomended payload	15kg
精度	Precision	±0.05
颜色	Colour	古铜色

尺寸说明/Dimension description



机械手侧的快速转换模块
Robot side quick changer

货号(PN)	8.Y00359
型号(Model)	QC-R90K



治具侧的快速转换模块
Gripper side quick changer

货号(PN)	8.Y00033
型号(Model)	QC-G90

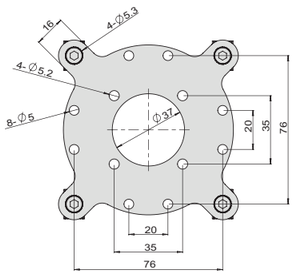
模块类型/Module Type

产品图 Product	产品名称 Product name	型号 Model	货号 PN	I/O连接类型 I/O connection type	工作电流 Working Current	连接线 Wire-Male
	机械手侧信号模块 Robot side signal module	QCSM-9R2	7.Y00862	9针D-SUB	MAX 3A	R9-1000 (1.Y06423)
	治具侧信号模块 Gripper side signal module	QCSM-9G2	7.Y00863	9针D-SUB	MAX 3A	G9-1000 (1.Y06424)

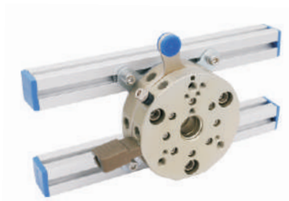
*R9-1000、G9-1000选配，连接线线长为1米
*R9-1000、G9-1000option,The wire's length is 1 meters

快换连接板/Interface (螺钉套件选配) (Kit With Screws Option)

注: 如需螺钉套件货号和型号加T 如: 型号SIP-50BT 货号7.Y00650-T



货号(PN)	7.Y00634
型号(Model)	SIP-90B
QC-G...	QC-G90
厚度(T)	3mm
螺钉选配件 Accessorier selection	
螺丝(Screws)	PTC-M5L12*4
双齿平垫(Single hole shim)	PTS-M5*4
T型螺母(T-Nuts)	PTN-M5*4
总重量(Weight)	190g



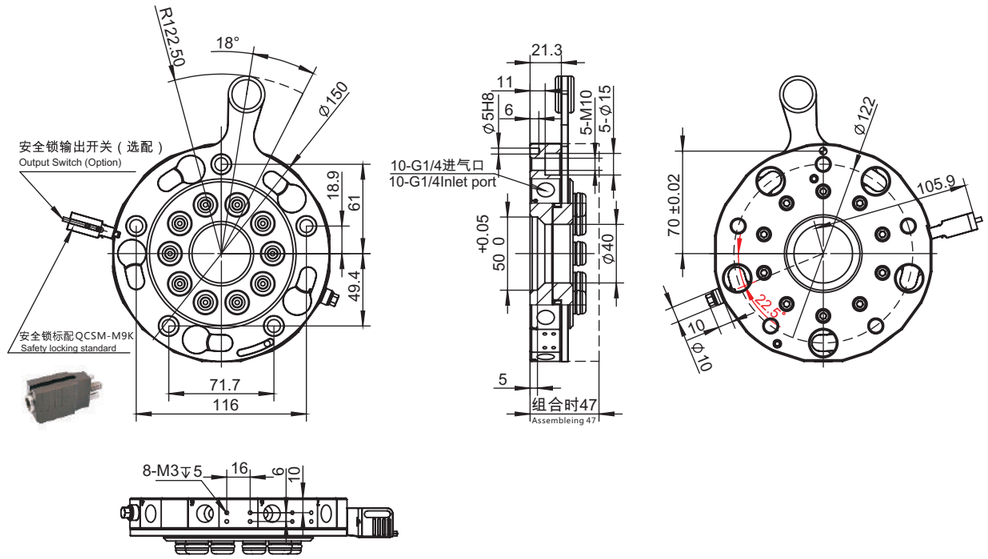
圆形手动快换/Round Manual Quick Changer

QC-150

产品参数/Parameter

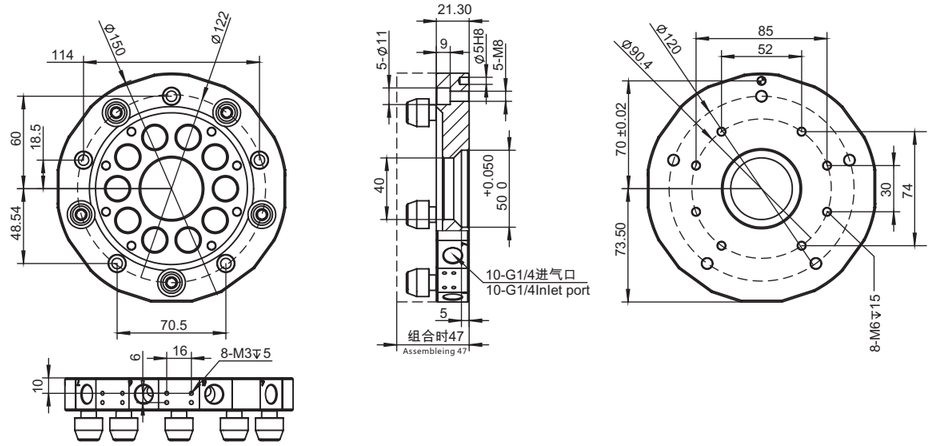
型号	Model	QC150
介质	Medium	已过滤压缩空气
压力范围	Pressure range	5~6 bar
温度范围	Temperature range	5 ~ 60 °C
机械手侧的快速转换模块	Robot side quick changer	QC-R150K
机械手侧的快速转换模块重量	Robot side quick changer weight	1159 g
治具侧的快速转换模块	Gripper side quick changer	QC-G150
治具侧的快速转换模块重量	Gripper side quick changer weight	837 g
垂直拉力	Vertical Pulling Force F	1000N
旋转扭矩	Rotating Torque Mt	250Nm
翻转扭矩	Reversal Torque Mb	150Nm
建议负载	Recomended payload	35kg
精度	Precision	±0.05
颜色	Colour	黑色

尺寸说明/Dimension description



机械手侧的快速转换模块
Robot side quick changer

货号(PN)	8.Y00376
型号(Model)	QC-R150K



治具侧的快速转换模块
Gripper side quick changer

货号(PN)	8.Y00377
型号(Model)	QC-G150

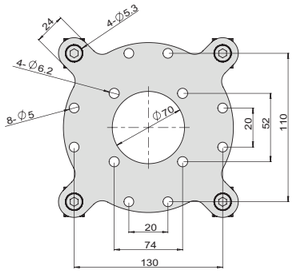
模块类型/Module Type

产品图 Product	产品名称 Product name	型号 Model	货号 PN	I/O连接类型 I/O connection type	工作电流 Working Current	连接线 Wire-Male
	机械手侧信号模块 Robot side signal module	QCSM-9R3	7.Y00819	9针D-SUB	MAX 3A	R9-1000 (1.Y06423)
	治具侧信号模块 Gripper side signal module	QCSM-9G3	7.Y00820	9针D-SUB	MAX 3A	G9-1000 (1.Y06424)

*R9-1000、G9-1000选配，连接线线长为1米
*R9-1000、G9-1000option,The wire's length is 1 meters

快换连接板/Interface (螺钉套件选配) (Kit With Screws Option)

注: 如需螺钉套件货号和型号加**T** 如: 型号SIP-50B**T** 货号7.Y00650-**T**



货号(PN)	7.Y00635
型号(Model)	SIP-160B
QC-G...	QC-G150/QC-G160
厚度(T)	4mm
螺钉选配件 Accessorier selection	
螺丝(Screws)	PTC-M5L12*4
双齿平垫(Single hole shim)	PTS-M5*4
T型螺母(T-Nuts)	PTN-M5*4
总重量(Weight)	540g

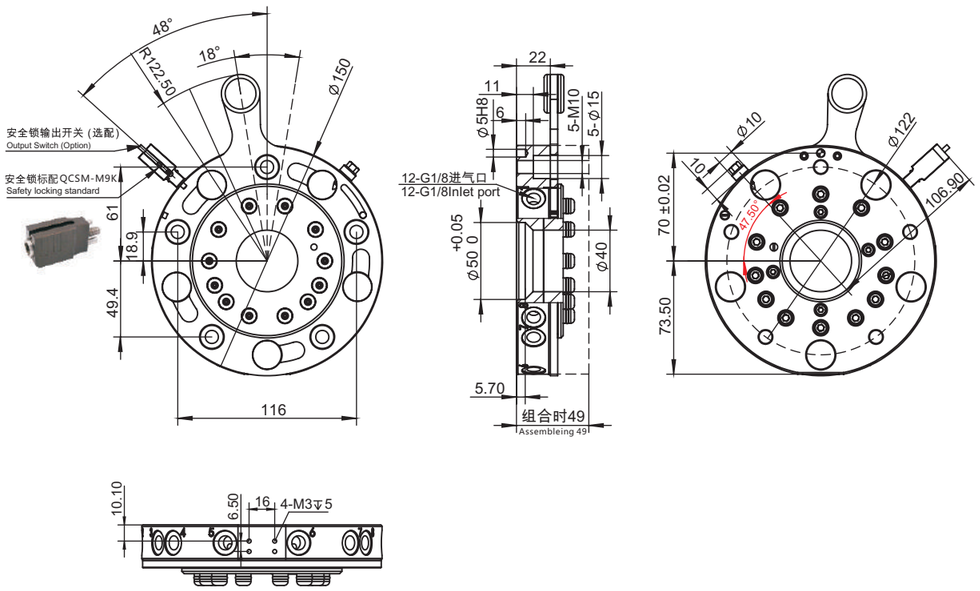
圆形手动快换/Round Manual Quick Changer

QC-160

产品参数/Parameter

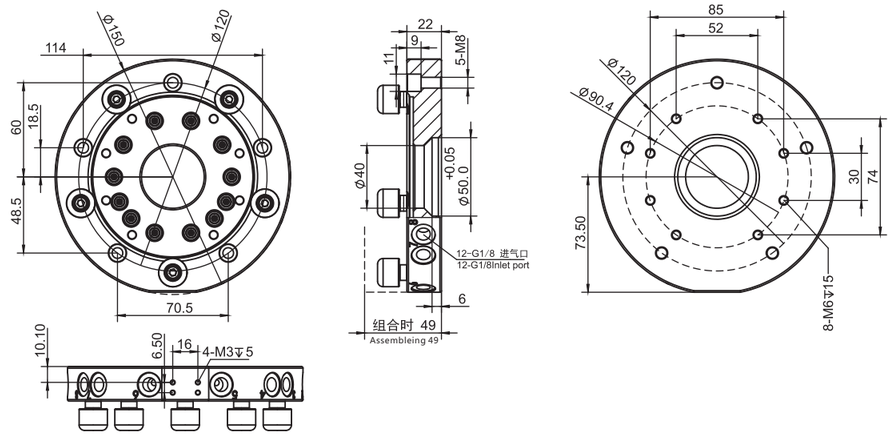
型号	Model	QC160
介质	Medium	已过滤压缩空气
压力范围	Pressure range	5~6 bar
温度范围	Temperature range	5 ~ 60 °C
机械手侧的快速转换模块	Robot side quick changer	QC-R160K
机械手侧的快速转换模块重量	Robot side quick changer weight	1200 g
治具侧的快速转换模块	Gripper side quick changer	QC-G160
治具侧的快速转换模块重量	Gripper side quick changer weight	900 g
垂直拉力	Vertical Pulling Force F	1000N
旋转扭矩	Rotating Torque Mt	250Nm
翻转扭矩	Reversal Torque Mb	150Nm
建议负载	Recomended payload	35kg
精度	Precision	±0.05
颜色	Colour	古铜色

尺寸说明/Dimension description



机械手侧的快速转换模块
Robot side quick changer

货号(PN)	8.Y00360
型号(Model)	QC-R160K



治具侧的快速转换模块
Gripper side quick changer

货号(PN)	8.Y00053
型号(Model)	QC-G160

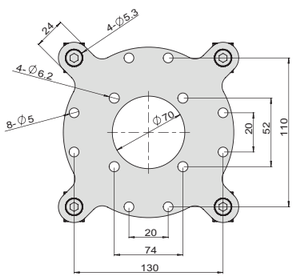
模块类型/Module Type

产品图 Product	产品名称 Product name	型号 Model	货号 PN	I/O连接类型 I/O connection type	工作电流 Working Current	连接线 Wire-Male
	机械手侧信号模块 Robot side signal module	QCSM-9R2	7.Y00862	9针D-SUB	MAX 3A	R9-1000 (1.Y06423)
	治具侧信号模块 Gripper side signal module	QCSM-9G2	7.Y00863	9针D-SUB	MAX 3A	G9-1000 (1.Y06424)

*R9-1000、G9-1000选配，连接线线长为1米
*R9-1000、G9-1000option,The wire's length is 1 meters

快换连接板/Interface (螺钉套件选配) (Kit With Screws Option)

注: 如需螺钉套件货号和型号加T 如: 型号SIP-50BT 货号7.Y00650-T



货号(PN)	7.Y00635
型号(Model)	SIP-160B
QC-G...	QC-G150/QC-G160
厚度(T)	4mm
螺钉选配件 Accessorier selection	
螺丝(Screws)	PTC-M5L12*4
双齿平垫(Single hole shim)	PTS-M5*4
T型螺母(T-Nuts)	PTN-M5*4
总重量(Weight)	540g

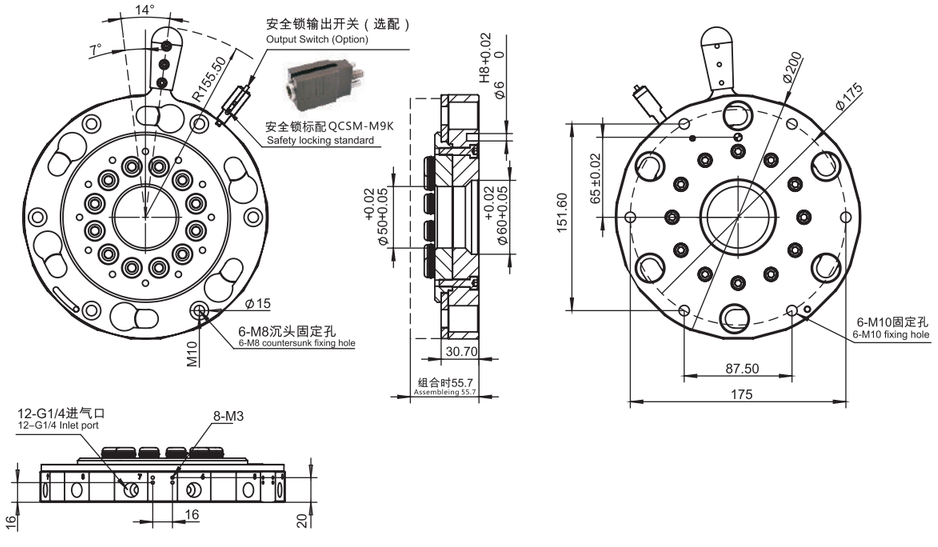
圆形手动快换/Round Manual Quick Changer

QC-200

产品参数/Parameter

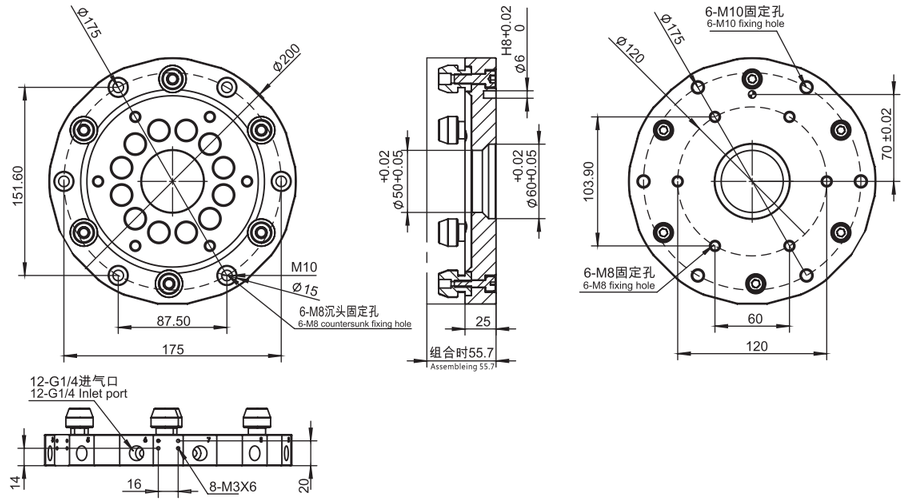
型号	Model	QC200
介质	Medium	已过滤压缩空气
压力范围	Pressure range	5~6 bar
温度范围	Temperature range	5 ~ 60 °C
机械手侧的快速转换模块	Robot side quick changer	QC-R200K
机械手侧的快速转换模块重量	Robot side quick changer weight	2640 g
治具侧的快速转换模块	Gripper side quick changer	QC-G200
治具侧的快速转换模块重量	Gripper side quick changer weight	1890 g
垂直拉力	Vertical Pulling Force F	2000N
旋转扭矩	Rotating Torque Mt	600Nm
翻转扭矩	Reversal Torque Mb	300Nm
建议负载	Recomended payload	75kg
精度	Precision	±0.05
颜色	Colour	黑色

尺寸说明/Dimension description



机械手侧的快速转换模块
Robot side quick changer

货号(PN)	8.Y00209
型号(Model)	QC-R200K



治具侧的快速转换模块
Gripper side quick changer

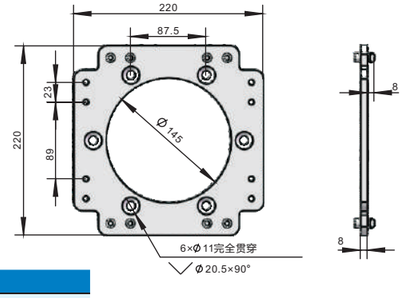
货号(PN)	8.Y00208
型号(Model)	QC-G200

模块类型/Module Type

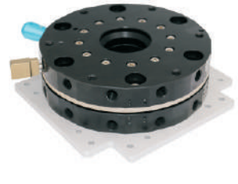
产品图 Product	产品名称 Product name	型号 Model	货号 PN	I/O连接类型 I/O connection type	工作电流 Working Current	连接线 Wire-Male
	机械手侧信号模块 Robot side signal module	QCSM-9R4	7.Y00821	9针D-SUB	MAX 3A	R9-1000 (1.Y06423)
	治具侧信号模块 Gripper side signal module	QCSM-9G4	7.Y00822	9针D-SUB	MAX 3A	G9-1000 (1.Y06424)

*R9-1000、G9-1000选配，连接线线长为1米
*R9-1000、G9-1000option,The wire's length is 1 meters

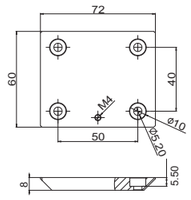
快换连接板/Interface



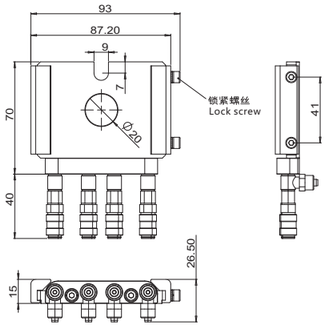
货号(PN)	7.Y00865
型号(Model)	SIP-200B
QC-G...	QC-G200
厚度(T)	8mm
总重量(Weight)	578g
螺钉选配件 Accessorier selection	
螺丝(Screws)	PTC-M5L16*16
双齿平垫(Single hole shim)	PTS-M5*16
T型螺母(T-Nuts)	PTN-M5*16



方形手动快换/Square Manual Quick Changer



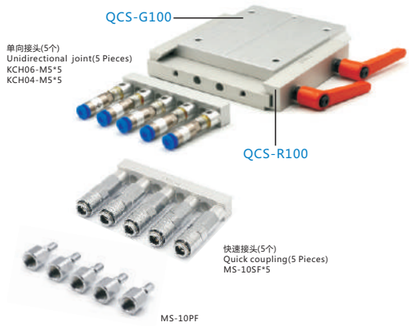
QCS-G60

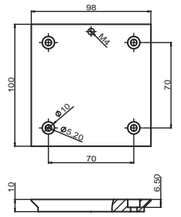


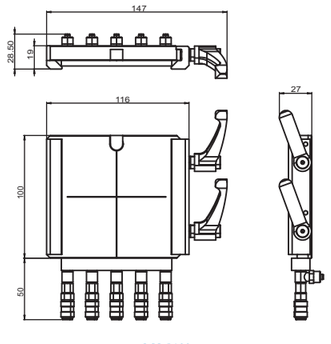
QCS-R60

气管接头模组(选配)
Threaded Hose Module(Option)

货号(PN)	8.Y00081	8.Y00082	1.Y03525	1.Y03524
型号(Model)	QCS-R60	QSC-G60	KCH04-M5	KCH06-M5
负载(Load)	70N		-	-
重量(Weight)	148g	79g	7g	9g



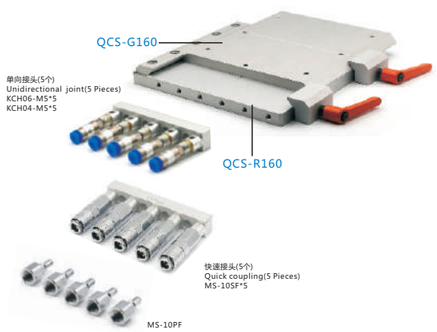


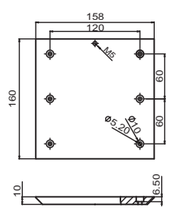


QCS-R100

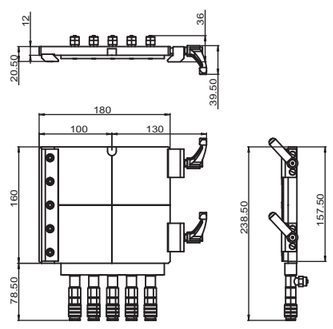
气管接头模组(选配)
Threaded Hose Module(Option)

货号(PN)	7.Y00332	7.Y00175	7.Y00860	7.Y00861	7.Y00334	1.Y04667
型号(Model)	QCS-R100	QSC-G100	KCH04-M5*5	KCH06-M5*5	MS-10SF*5	MS-10PF
负载(Load)	300N		-	-	-	-
重量(Weight)	463g	240g	86g	96g	196g	11g





QCS-G160



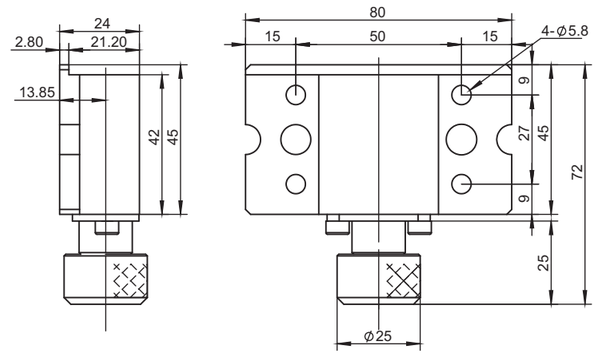
QCS-R160

气管接头模组(选配)
Threaded Hose Module(Option)

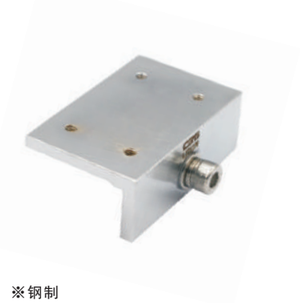
货号(PN)	7.Y00160	7.Y00161	7.Y00860	7.Y00861	7.Y00334	1.Y04667
型号(Model)	QCS-R160	QSC-G160	KCH04-M5*5	KCH06-M5*5	MS-10SF*5	MS-10PF
负载(Load)	800N		-	-	-	-
重量(Weight)	1198g	634g	86g	96g	196g	11g

L形手动快换/L-Type Manual Quick Changer

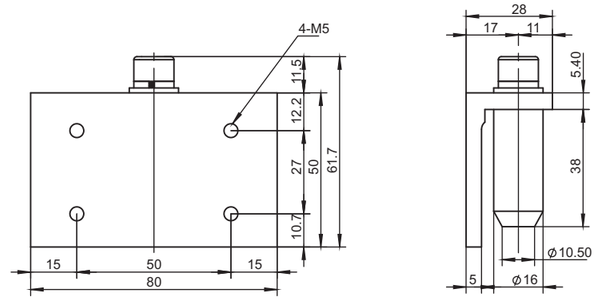
※超硬铝制
※重量：185g
※安装位置：机械手侧
※可搬重量：～15kg
※Superhard aluminum
※Weight: 185g
※Installation location: Robot side
※Load weight: to 15kg



货号(PN)	1.Y01275
型号(Model)	QCL15R-Y

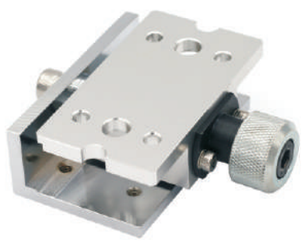


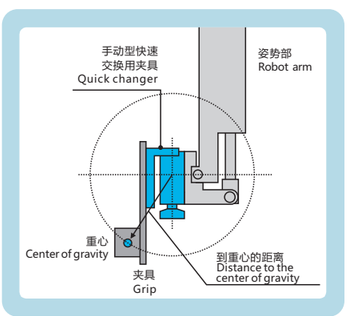
※钢制
※重量：294g
※安装位置：夹具侧
※可搬重量：～15kg
※Steel
※Weight: 294g
※Installation location: Grip side
※Load weight: to 15kg



货号(PN)	1.Y01276
型号(Model)	QCL15G-Y

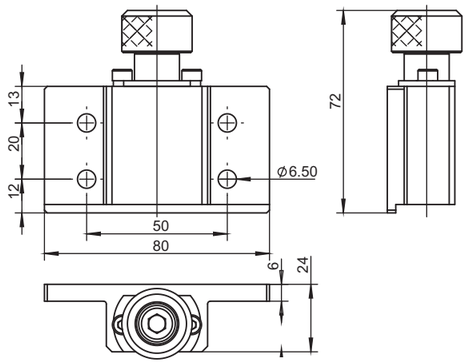
运用实例/Application example





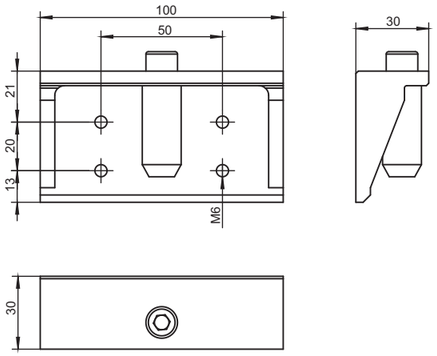
L形手动快换/L-Type Manual Quick Changer

※超硬铝制
※重量：190g
※安装位置：机械手侧
※可搬重量：～15kg
※Superhard aluminum
※Weight: 190g
※Installation location: Robot side
※Load weight: to 15kg



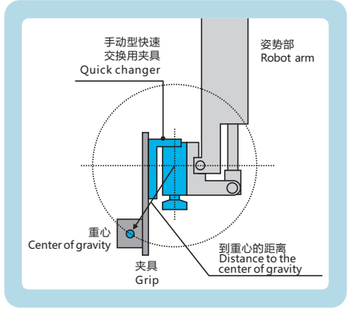
货号(PN)	8.Y00236
型号(Model)	QCL15R-S

※超硬铝制
※重量：197g
※安装位置：夹具侧
※可搬重量：～15kg
※Superhard aluminum
※Weight: 197g
※Installation location: Grip side
※Load weight: to 15kg



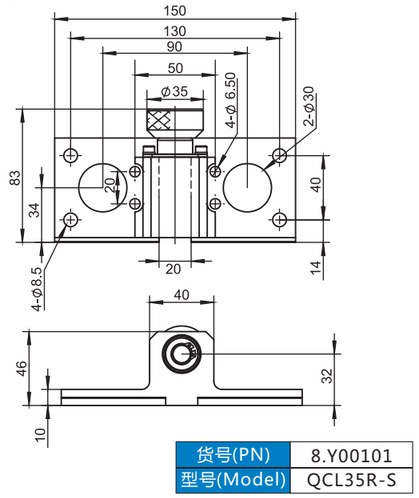
货号(PN)	8.Y00235
型号(Model)	QCL15G-S

运用实例/Application example



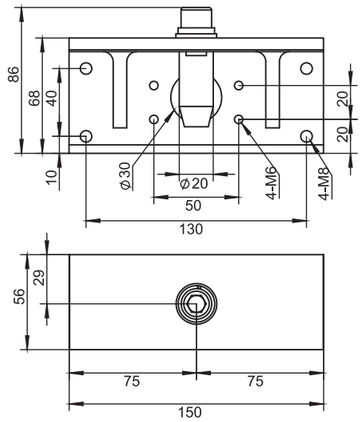
L形手动快换/L-Type Manual Quick Changer

※超硬铝制
※重量：505g
※安装位置：机械手侧
※可搬重量：～35kg
※Superhard aluminum
※Weight: 505g
※Installation location: Robot side
※Load weight: to 35kg



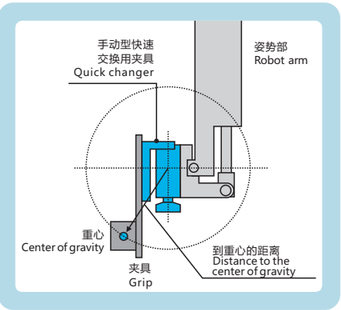
货号(PN)	8.Y00101
型号(Model)	QCL35R-S

※超硬铝制
※重量：565g
※安装位置：夹具侧
※可搬重量：～35kg
※Superhard aluminum
※Weight: 565g
※Installation location: Grip side
※Load weight: to 35kg

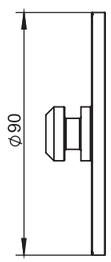


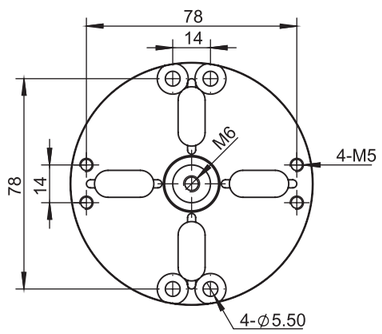
货号(PN)	8.Y00102
型号(Model)	QCL35G-S

运用实例/Application example



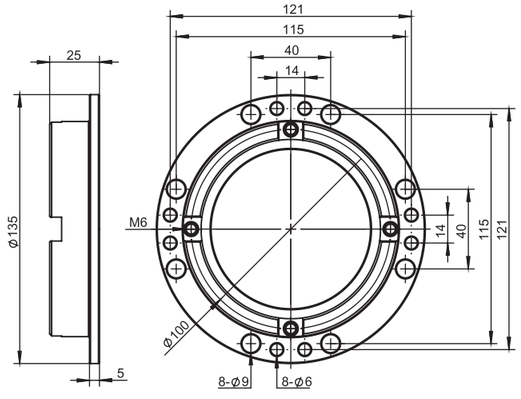
手动快速转换模块/Manual Quick Changer Module





※ 铁制品
※ 重量：234g
※ 安装位置：夹具侧
※ Iron products
※ Weight: 234g
※ Installation location: Grip side

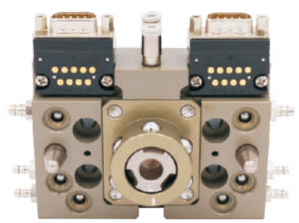
货号(PN)	4.Y00480
型号(Model)	BP90



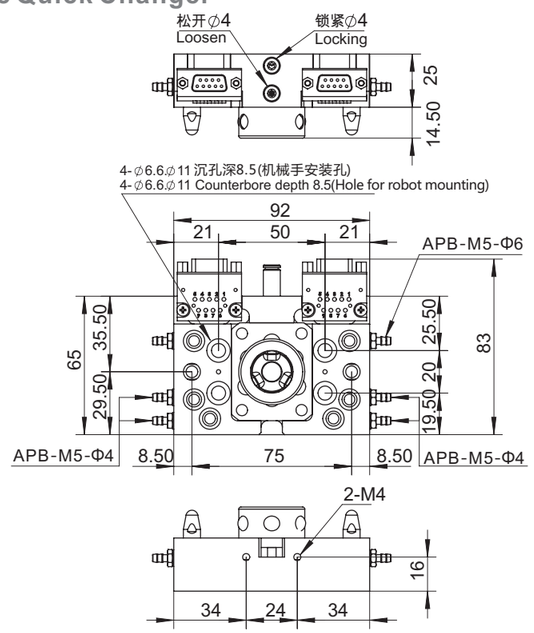
※ 铁制品
※ 重量：660g
※ 安装位置：夹具侧
※ Iron products
※ Weight: 660g
※ Installation location: Grip side

货号(PN)	4.Y00497
型号(Model)	BP135

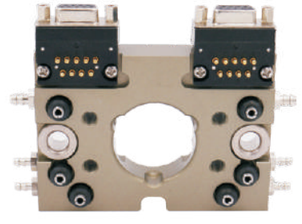
方形自动快换/Square Automatic Quick Changer

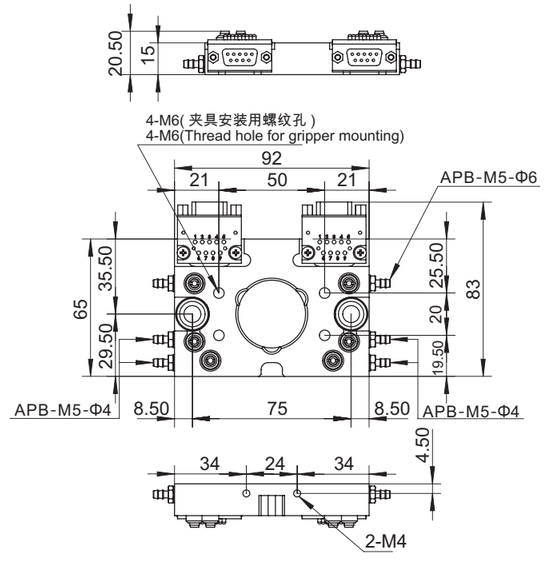


※安装位置： 机械手侧
※重量： 466g
※可搬重量： ～10kg
※Installation location: Robot side
※Weight: 466g
※Load weight: to 10kg



货号(PN)	8.Y00037
型号(Model)	QCA-S10R





※安装位置： 夹具侧
※重量： 230g
※可搬重量： ～10kg
※Installation location: Grip side
※Weight: 230g
※Load weight: to 10kg

货号(PN)	8.Y00038
型号(Model)	QCA-S10G