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Product Category

产品分类图



Product Introduction

产品简介

- ◆ Design standard: IEC61984, test standard: IEC60512.
- ◆ Equipped with lengthened grounding pin, which is first make/fast break structure.
- ◆ Coupling: thread or bayonet lock.....(see pictures on page 2)
- ◆ Contact termination: solder or crimp.....(see pictures on page 2)
- ◆ Four types of outlets.....(see pictures on page 15-16)
- ◆ Degree of protection: IP54 or IP65 by IEC60529

Our products are widely applied to machine tools, mechanism, electric power locomotives and, servo motors, ect. in field of power and control circuits of mechanical-electrical equipments, approval to CE, CCC and British LR certification.

- ◆ 本产品依据IEC61984标准设计, 测试标准IEC60512.
- ◆ 有先进后出的加长接地保护装置.
- ◆ 插头、插座连接方式有螺纹式和卡扣式.....(见P 2 页图)
- ◆ 接线方式有焊接式和压接式.....(见P 2 页图)
- ◆ 出线端连接款式四种.....(见P 15-16 页图)
- ◆ 依据IEC60529标准, 外壳防护等级分为IP54和IP65两种.

本产品可用作各类机床、机械、电力机车和伺服电机等机电设备的动力电路和控制电路的电气连接, 已获CE认证.

CCC 认证和英国劳氏船级社 LR 认证.

Technical Data

技术参数

Operating Temperature 产品工作温度	Lower limit -55°C; Upper limit +125°C 下限 -55°C; 上限 +125°C
Relative Humidity 相对湿度	95% at 40 ± 2°C 40 ± 2°C 达95%
Frequency 频率	50HZ - 60HZ
Vibration 振动	10 - 500HZ; Acceleration 100m/s ² 振频10 - 500HZ; 加速度 100m/s ²
Shock 碰撞	Frequency 40 - 80cycles/minute; Acceleration 250m/s ² 频率 40 - 80次/分; 加速度达 250m/s ²
Withstand Voltage 耐压	2500V (normal) 2500V (常态)
Insulation Resistance 绝缘电阻	Normal > 5000 MΩ 常温状态 > 5000 MΩ
	Damp heat > 100 MΩ 湿热状态 > 100 MΩ
Insulator Material Flammability 绝缘材料阻燃等级	UL94-V0
Overvoltage Category 过电压类别	II, III
Degree of Pollution 污染等级	2, 3
Matings 机械寿命	>500 matings >500次

Rated Current, Contact Resistance, Wire Gauge For Soldering (See Table Below)

额定电流、接触电阻、导线截面积(见下表)

Contact Diameter 接触对直径 (mm)	Rated Current (A) 额定电流 (A)	Contact Resistance 接触电阻 (mΩ)	Wire gauge for soldering 焊接导线截面积 (mm ²)	Wrap Length L 剥线长度 (mm)
φ1.5	10	2.5	<1.75	5-6
φ2.5	25	1	<4.9	6-7
φ3.5	50	0.5	<9.6	7-8
φ5.5	100	0.3	<23	7-8

Wire Wrap Length (See above table):

导线剥线长度(见上表):



Current-carrying Capacity

连接器的载流能力

The temperature of all contacts of connectors shall not be higher than the upper limit of 125°C, when they simultaneously carry a continuous rated current, viz the sum of ambient temperature plus the temperature rising of connector < 125°C.

Connectors multi-contacts with high load current shall be correspondingly decreased its total current and control temperature below the upper limit of 125°C, when the ambient temperature increases to certain extent.

Current-carrying capacity is not a fixed value as it tends to decline with the ambient temperature going higher and its geometry characteristic, quantity of contacts, wires and materials as well.

连接器上所有的接触对, 同时被持续不断的负载额定电流后, 其温度不能超出产品温度上限125°C, 即: 环境温度+负载额定电流后积累的温升温度 < 125°C.

当环境温度上升到一定的温度时, 对于多芯数, 高负载电流量的连接器, 应相应的降低连接器的总电流值, 控制温升, 使连接器温度上限 < 125°C.

所以, 载流能力不是一个固定值, 它随着环境温度升高, 连接器自身几何性能、极数、导线、材料因素而呈下降趋势。

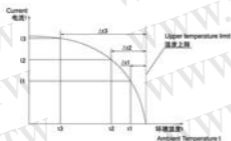


Figure 1 Basic Current-carrying Capacity Curve
图1 基本载流能力曲线

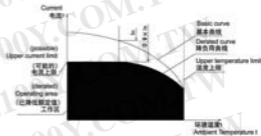


Figure 2 Derated Curve
图2 根据基本曲线得出的降负载曲线

Figure 1 is the basic current-carrying capacity curve and Figure 2 is derated curve. The black area in Figure 2 indicates the operating area of derated value, which is obtained from current carrying capacity curve multiplied by a factor of 0.8.

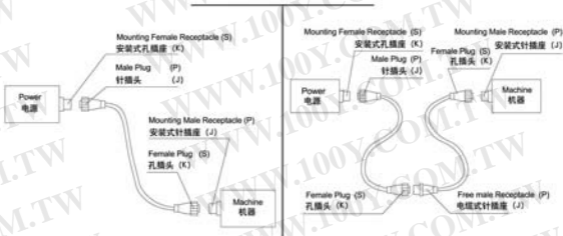
(图1)是基本载流能力曲线; (图2)是降负荷曲线, (图2)中涂黑区域就是已降低额定值的工作区域。降负荷曲线是由基本载流能力曲线乘以(换算系数)0.8得出的。

Safety Application Of Electric Connectors

电连接器的安全使用提示

- ◆ Socket insert (S) is fit for output side of connector while pin insert (P) for input side of it (refer to the following two figures).
- ◆ For solder terminal connector, electric iron shall not stay at solder point longer than 2-3 seconds in general, in order to avoid damage of PBT insulator caused by accumulation of high temperature.
- ◆ Thermal shrinkable sleeve must be added to solder point after wires are soldered.
- ◆ Dust cap (accessory of our products) must be used after a plug and a receptacle are separated.
- ◆ It is wrong to insert into or take out an electric connector which has been electrified.
- ◆ 连接器的输出端宜采用插孔 (K) 结构, 输入端采用插针 (J) 结构。(请参考以下两例图示)
- ◆ 焊接式连接器, 在焊接电线时, 电路铁停留在焊接点的时间不宜过久, 一般在2-3秒间, 避免积聚的高温损坏绝缘体。
- ◆ 导线焊接后, 焊接处必须加套热缩套管。
- ◆ 插头 / 插座在分离后请盖上防尘盖(本产品的附件)。
- ◆ 不宜带电插拔。

Figure Of Connector Application
连接器使用图示



Coupling Map Of Plug And Fixed Receptacle

面板安装式插座与插头耦合图

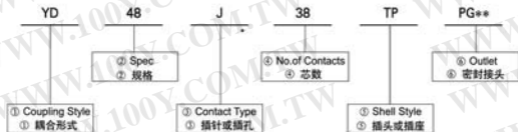


Coupling Map Of Plug And Free Receptacle (Cable to Cable)

防护式插座与插头耦合图



Solder Terminal Part Number Explanation 焊接式型号规格标示



- | | |
|---|---|
| <p>① Coupling Style
耦合形式</p> <p>② Spec
规格</p> <p>③ Contact Type
插针或插孔</p> <p>④ No. of Contacts
芯数</p> <p>⑤ Shell Style
插头或插座</p> <p>⑥ Outlet
密封接头</p> | <p>YD – thread coupling (see pictures on page 2)
YD – 耦合形式: 螺纹式。 (见 P 2 页面)</p> <p>YDK – bayonet lock coupling (see pictures on page 2)
YDK – 耦合形式: 卡扣式。 (见 P 2 页面)</p> <p>mounting hole size(mm):20,28,32,40,48,55
有20、28、32、40、48、55六种规格。(单位: mm)</p> <p>Overseas order: P refers to pin, S refers to socket
国内客户订货: J—插针; K—插孔。</p> <p>see pages 9-12 for details of contacts arrangement
详见P9 - P12页, 芯数排布图</p> <p>see page 6 for coupling map of plug and receptacle
见P6页插头、插座耦合图</p> <p>see page 16
见P16页接头</p> |
|---|---|

T. Plug T. 表示插头

TP**: straight, free connector with metal hose accessory

TP**: 连接金属软管的直形插头

TR**: 90° angled, free connector with metal hose accessory

TR**: 连接金属软管的弯形插头

TQ**: straight, free connector with cable clamp accessory

TQ**: 夹固电缆的直形插头

TS**: 90° angled, free connector with cable clamp accessory

TS**: 夹固电缆的弯形插头

** see tables on page 15 for code of inner diameter of metal hose
 ** 金属软管内径代码见P15页表

** see tables on page 15 for code of external diameter of cable
 ** 电缆外径代码见P15页表

TP-PG**: straight, free connector with plastic hose accessory

TP-PG**: 连接塑料软管的直形插头

TR-PG**: 90° angled, free connector with plastic hose accessory

TR-PG**: 连接塑料软管的弯形插头

TQ-PG**: straight, free connector with cable gland accessory

TQ-PG**: 密封电缆的直形插头

TS-PG**: 90° angled, free connector with cable gland accessory

TS-PG**: 密封电缆的弯形插头

** see tables on page 16 for code of inner diameter of plastic hose

**塑料软管内径代码见P16页表

** see tables on page 16 for code of external diameter of cable gland

**密封电缆外径代码见P16页表

Z. Receptacle

Z. 表示插座

Z mounting receptacle(see pictures on page 6 and mounting figure on page 17-18)

Z 面板安装式(见P6页面、P17-P18页安装方式图)

ZP, ZR, ZQ, ZS free receptacle (see pictures on page 6 and mounting figure on page 17-18)

ZP, ZR, ZQ, ZS 防护插座(见P6页面、P17-P18页安装方式图)

*** Note: Overseas order, P refers to pin, S refers to socket**

EXAMPLE:

举例:

① YD32K19TR20

YD32J19Z

Abbr hose:YD32K19TR20 / J19Z

Explanation: ● 90° angled, spec. 32mm, plug of 19 contacts with 20mm inner diameter metal hose accessory, socket contacts, thread coupling

- Spec. 32, mounting receptacle of 19 contacts, pin contacts, thread coupling

② YDK32J19TQ-PG16

YDK32K19ZQ-PG16

Abbr hose:YDK32J19TQ-PG16 / K19ZQ-PG16

Explanation: ● Straight, Spec. 32, plug of 19 contacts with 10-15mm external diameter cable gland accessory, pin contacts, bayonet lock coupling

- Straight, Spec. 32, free receptacle of 19 contacts, with 10-15mm external diameter of cable gland accessory, bayonet lock coupling

① YD32K19TR20

YD32J19Z

缩写: YD32K19TR20 / J19Z

解释: ● 螺纹耦合式:规格32: 19芯插孔的弯形插头; 20表示出线端可连接内径 ϕ 20mm的金属软管。

- 19芯插针的安装式螺纹插座

② YDK32J19TQ-PG16

YDK32K19ZQ-PG16

缩写: YDK32J19TQ-PG16 / K19ZQ-PG16

解释: ● 卡扣耦合式:规格32: 19芯插针的直形插头: -PG16 表示出线端可密封外径 ϕ 10-15mm的电缆线。

- 19芯插孔的卡扣式防护插座: -PG16 表示出线端可密封外径 ϕ 10-15mm的电缆线。

SOLDER TERMINAL CONTACTS ARRANGEMENT 焊接式芯数排布图

View from mating face of pin contacts (P) 绝缘体端面为插针(J)

YD, YDK20						
Qty. of contacts 芯数	2	3	4	5	5a	7
Contacts arrangement 排列图						
Diameter of contacts × Qty. 接触对直径 × 数量	φ 2.5X2	φ 2.5X3	φ 2.5X4	φ 1.5X5	φ 2.5X3 φ 1.5X2	φ 1.5X7
Rated voltage 额定电压 (V)	400	400	400	400	400 250	400

View from mating face of pin contacts (P) 绝缘体端面为插针(J)

YD, YDK28				
Qty. of contacts 芯数	4a	4	5	7
Contacts arrangement 排列图				
Diameter of contacts × Qty. 接触对直径 × 数量	φ 2.5X1 φ 3.5X3	φ 2.5X4	φ 3.5X3 φ 2.5X2	φ 2.5X7
Rated voltage 额定电压 (V)	400	400	400 250	400

View from mating face of pin contacts (P) 绝缘体端面为插针(J)

YD, YDK28			
Qty. of contacts 芯数	10	11	15
Contacts arrangement 排列图			
Diameter of contacts × Qty. 接触对直径 × 数量	φ 1.5X10	φ 2.5X3 φ 1.5X8	φ 1.5X15
Rated voltage 额定电压 (V)	400	400	250

View from mating face of pin contacts (P) 绝缘体端面为插针(J)

YD, YDK32			
Qty of contacts 芯数	4	10	10a
Contacts arrangement 排列图			
Diameter of contacts × Qty. 接触对直径 × 数量	φ3.5X4	φ2.5X4 φ1.5X6	φ2.5X5 φ1.5X5
Rated voltage 额定电压 (V)	500	400	400

View from mating face of pin contacts (P) 绝缘体端面为插针(J)

YD, YDK32		
Qty of contacts 芯数	13	19
Contacts arrangement 排列图		
Diameter of contacts × Qty. 接触对直径 × 数量	φ2.5X4 φ1.5X3	φ1.5X19
Rated voltage 额定电压 (V)	400	400

View from mating face of pin contacts (P) 绝缘体端面为插针(J)

YD, YDK40				
Qty of contacts 芯数	5	9	16	17
Contacts arrangement 排列图				
Diameter of contacts × Qty. 接触对直径 × 数量	φ3.5X5	φ3.5X4 φ2.5X5	φ2.5X16	φ1.5X17
Rated voltage 额定电压 (V)	500	500	400	400

View from mating face of pin contacts (P) 绝缘体端面为插针(J)

YD, YDK40				
Qty of contacts 芯数	22	24	26	31
Contacts arrangement 排列图				
Diameter of contacts - Qty. 接触对直径 - 数量	$\phi 2.5 \times 4$ $\phi 1.5 \times 18$	$\phi 2.5 \times 9$ $\phi 1.5 \times 15$	$\phi 2.5 \times 4$ $\phi 1.5 \times 22$	$\phi 1.5 \times 31$
Rated voltage 额定电压 (V)	400	400	400	400


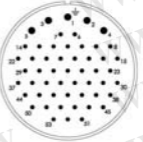
View from mating face of pin contacts (P) 绝缘体端面为插针(J)

YD, YDK48		
Qty of contacts 芯数	5	7
Contacts arrangement 排列图		
Diameter of contacts - Qty. 接触对直径 - 数量	$\phi 5.5 \times 5$	$\phi 3.5 \times 7$
Rated voltage 额定电压 (V)	500	450

View from mating face of pin contacts (P) 绝缘体端面为插针(J)

YD, YDK48			
Qty of contacts 芯数	27	38	42
Contacts arrangement 排列图			
Diameter of contacts - Qty. 接触对直径 - 数量	$\phi 2.5 \times 1$ $\phi 1.5 \times 26$	$\phi 2.5 \times 5$ $\phi 1.5 \times 33$	$\phi 2.5 \times 1$ $\phi 1.5 \times 41$
Rated voltage 额定电压 (V)	400	400	400



View from mating face of pin contacts (P) 绝缘体端面为插针(J)

YD、YDK55		
Qty of contacts 芯数	7	53
Contacts arrangement 排列图		
Diameter of contacts × Qty. 接触对直径 × 数量	∅ 5.5X7	∅ 2.5X5 ∅ 1.5X48
Rated voltage 额定电压 (V)	500	400

注意: 下表两种规格仅限螺纹连接式 (不在卡扣式之列)

Note: Following arrangements are only available in thread coupling connectors

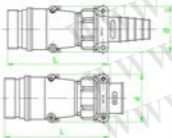
View from mating face of pin contacts (P) 绝缘体端面为插针(J)

YD 55		
Qty of contacts 芯数	61	86
Contacts arrangement 排列图		
Diameter of contacts × Qty. 接触对直径 × 数量	∅ 2.5X1 ∅ 1.5X60	∅ 2.5X1 ∅ 1.5X85
Rated voltage 额定电压 (V)	400	400

Shell Size 外形尺寸

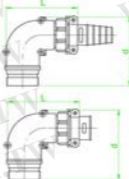
- ZQ, ZP - straight, free receptacle
ZQ, ZP-直形防护插座

Spec. 连接器规格	20	28	32	40	48	55
L	89	96	97	112	115	123
d	38	41	45	54	61	67



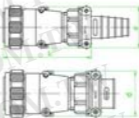
- ZS, ZR - 90° angled, free receptacle
ZS, ZR-弯形防护插座

Spec. 连接器规格	20	28	32	40	48	55
L	77	88	94	104	126	137
d	70	77	82	87	93	103



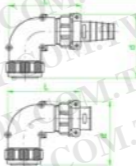
- TQ, TP - straight, plug
TQ, TP-直形插头

Spec. 连接器规格	20	28	32	40	48	55
L	87	94	95	110	113	121
d	38	41	45	54	61	67



- TS, TR - 90° angled, plug
TS, TR-弯形插头

Spec. 连接器规格	20	28	32	40	48	55
L	77	88	94	104	126	137
d	68	76	80	88	92	102





Shell Size (Continued) 外形尺寸(续)

- TP-PG straight plug with plastic hose accessory
TP-PG直形、连接塑料软管

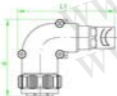


- TQ-PG straight plug with cable gland accessory
TQ-PG直形、连接密封电缆

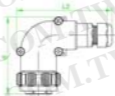


Spec.型号	20		28		32		40		48			55		
Type 规格	PG9	PG11	PG11	PG13.5	PG13.5	PG16	PG16	PG21	PG16	PG21	PG29	PG36	PG29	PG36
L1	94	97	100	103	105	105	114	118	116	120	125	135	133	143
L2	93	93	99	102	104	105	114	116	116	118	129	136	137	146
d	38		41		45		54		61			67		

- TR-PG 90° angled plug with plastic hose accessory
TR-PG弯形、连接塑料软管



- TS-PG 90° angled plug with cable gland accessory
TS-PG弯形、连接密封电缆



Spec.型号	20		28		32		40		48			55		
Type 规格	PG9	PG11	PG11	PG13.5	PG13.5	PG16	PG16	PG21	PG16	PG21	PG29	PG36	PG29	PG36
L1	83	86	95	98	103	103	110	114	124	128	136	145	143	152
L2	82	85	94	97	102	103	110	112	124	126	139	149	146	156
d	68		76		80		86		92			102		

Code For Outlet 出线端连接形式、代码

TP**, TR** Code For Metal Hose Accessory 金属软管接头代码
 ZP**, ZR**

YD, YDK Spec. YD, YDK 规格	** Inner Diameter Of Metal Hose Accessory (φ mm) ** 金属软管内径 φ mm	
20	10	12
28	12	15
32	15	20
40	20	25
48	25	32
55	32	38



TQ**, TS** Code For Cable Accessory 夹固电缆接头代码
 ZQ**, ZS**

YD, YDK Spec. YD, YDK 规格	** External Diameter Of Cable (mm) ** 电缆外径 mm	
20	9	φ 6~9
	12	φ 9~12
28	12	φ 9~12
	15	φ 12~15
32	15	φ 12~15
	20	φ 15~20
40	20	φ 15~20
	25	φ 20~25
48	25	φ 20~25
	32	φ 25~32
55	32	φ 25~32
	38	φ 32~38

Adjustable clamp accessory to prevent
 solder spot from falling off under stress
 压紧环、防止电缆焊点受力脱落



Cone-shaped rubber jacket, which can be cut out for excellent
 protection in accordance with external diameter of cable
 锥体橡胶套，可根据电缆直径修剪达到密封效果



TP-PG, TR-PG** Code For Plastic Hose Accessory 塑料软管接头代码**
ZP-PG, ZR-PG****

YD, YDK Spec. YD, YDK 规格	**	Inner Diameter Of Plastic Hose 软管内径 ϕ mm	Plastic Hose Spec. 塑料软管规格
20	PG9	10	AD13
	PG11	12	AD15, 8
28	PG11	12	AD15, 8
	PG13, 5	14, 3	AD18, 5
32	PG13, 5	14, 3	AD18, 5
	PG16	16, 5	AD21, 2
40	PG16	16, 5	AD21, 2
	PG21	23	AD28, 5
48	PG16	16, 5	AD21, 2
	PG21	23	AD28, 5
	PG36	36	AD42, 5
55	PG29	29	AD34, 5
	PG36	36	AD42, 5



TQ-PG, TS-PG** Code For Cable Gland Accessory 密封电缆接头代码**
ZQ-PG, ZS-PG****

YD, YDK Spec. YD, YDK 规格	**	Cable Gland Spec. 密封电缆规格
20	PG9	ϕ 4~8
	PG11	ϕ 5~10
28	PG11	ϕ 5~10
	PG13, 5	ϕ 6~12
32	PG13, 5	ϕ 6~12
	PG16	ϕ 10~14
40	PG16	ϕ 10~14
	PG21	ϕ 13~18
48	PG16	ϕ 10~14
	PG21	ϕ 13~18
	PG29	ϕ 18~25
55	PG36	ϕ 22~32
	PG29	ϕ 18~25
	PG36	ϕ 22~32

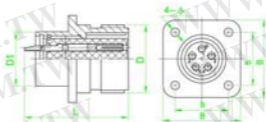


MOUNTING 安装方式

Shell Size Of Receptacle (mm)
 插座外形尺寸(mm)

Spec. 连接器规格	B	D1	D	L
20	32	20.5	M25×2	38
28	40	28	M33×2	
32	42	32	方牙38×3	
40	50	40	方牙46×3	
48	58	48	方牙55×3	
55	64	55	方牙62×3	

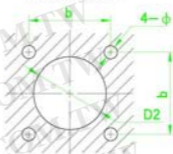
Shell Size Of Receptacle
 插座外形尺寸



① Front Panel Mounting (see figures on page 18)
 前装式 (见P18页图)

Spec. 连接器规格	b	4-φ	D2
20	22±0.2	φ3.5	φ21
28	30±0.2	φ3.5	φ28.5
32	32±0.2	φ3.5	φ32.5
40	40±0.2	φ3.5	φ41
48	48±0.2	φ4.5	φ49
55	52±0.2	φ4.5	φ56

Mounting Hole Dimensions
 面板开孔尺寸



② Rear Panel Mounting (see figures on page 18)
 后装式 (见P18页图)

Spec. 连接器规格	b	4-φ	D2
20	22±0.2	φ3.5	φ25.5
28	30±0.2	φ3.5	φ33.5
32	32±0.2	φ3.5	φ38.5
40	40±0.2	φ3.5	φ47
48	48±0.2	φ4.5	φ56
55	52±0.2	φ4.5	φ63

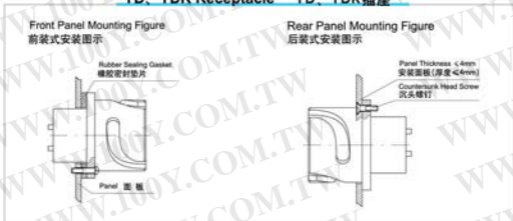
Mounting Hole Dimensions
 面板开孔尺寸



Note: YDK20 请特别注意: YDK20

Spec. 连接器规格	b		
YDK20	24±0.2		

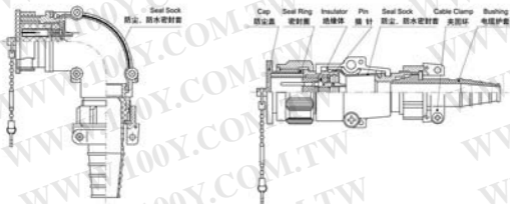
YD、YDK Receptacle YD、YDK 插座



YD、YDK Free Receptacle YD、YDK 防护插座



Sectional View Of Plug 插头结构剖视图



YD-C: Thread Coupling, Crimp Terminal
 YDK-C: Bayonet Lock Coupling, Crimp Terminal

YD-C: 螺纹连接; 压接式
 YDK-C: 卡扣连接; 压接式

Crimp Terminal Part Number Explanation

压接式型号规格标示

1. YD-C: Thread coupling, crimp terminal
 Affixing "-C" to YD solder terminal part No. shown on page 7 refers to crimp terminal part No.
2. YDK-C: Bayonet lock coupling, crimp terminal
 Affixing "-C" to YDK solder terminal part No. shown on page 7 refers to crimp terminal part No.
3. Only 6 contacts arrangements are available for all range, see page 21.

1. YD-C: 螺纹连接; 压接式
 按第7页焊接式标示方法, 在YD型号规格后加“-C”即是压接式
2. YDK-C: 卡扣连接; 压接式
 按第7页焊接式标示方法, 在YDK型号规格后加“-C”即是压接式
3. 各档规格的芯数, 仅限P21页排布图示六种

Note: Overseas order, P refers to pin, S refers to socket

EXAMPLE:

举例:

① YD55K42TP - PG29 - C

YD55J42Z - C

Abbr:YD55K42TP - PG29/J42Z - C

② YD55K42TP - PG29 - C

YD55J42Z - C

缩写: YD55K42TP - PG29/J42Z - C

③ YDK28K7TS15 - C

YDK28J7Z - C

Abbr:YDK28K7TS15/J7Z - C

④ YDK28K7TS15 - C

YDK28J7Z - C

缩写: YDK28K7TS15/J7Z - C

Structure & Characteristic

结构与特性

Pin / socket inserts are connected with wires by crimping

Pin / socket insert are loaded / unloaded from the back

Coupling: thread or bayonet lock coupling

Fixed connectors mounting: in the same way as YD/YDK

Performance and parameters: same as YD/YDK

插针、插孔与导线采用压接式连接

插针、插孔装卸方式: 后端装入、后端取出

插头与插座耦合形式: 螺纹式、卡扣式

插座安装方式: 与YD、YDK相同

性能与参数: 与YD、YDK相同



CRIMP TERMINAL CONTACTS ARRANGEMENT 压接式芯数排布图

View from mating face of pin contacts (P) 绝缘体端面为插针(J)

	YD, YDK28-C	YD, YDK40-C	YD, YDK48-C	
Qty of contacts 芯数	7	13	26	31
Contacts arrangement 排列图				
Diameter of contacts × Qty. 接触对直径 × 数量	16±X7	16±X9 12±X4	16±X22 12±X4	16±X31
Rated voltage 额定电压(V)	400	500	500	500
Rated current 额定电流	16±13A	16±13A 12±23A	16±13A 12±23A	16±13A

View from mating face of pin contacts (P) 绝缘体端面为插针(J)

	YD, YDK55-C	
Qty of contacts 芯数	38	42
Contacts arrangement 排列图		
Diameter of contacts × Qty. 接触对直径 × 数量	16±X33 12±X5	16±X41 12±X1
Rated voltage 额定电压(V)	450	
Rated current 额定电流	16±13A 12±23A	16±13A 12±23A

Pin / Socket Inserts and Wires By Crimping

插针、插孔与电线压接

Spec. 接触对规格	Applicable Wires 适用导线			Manual Crimping 手动压接 Tool Code 工具代号	Insertion Tool 插入工具 Type, Color 型号, 颜色	Extraction Tool 取出工具 Type, Color 型号, 颜色
	A, W, G	Cross Section Area 导线截面积	External Diameter 含绝缘层外径			
16±	20±-16±	0.5-1.3mm ²	< φ3.1	M22520/1-01	TZB16, 蓝色	TOB16, 白色
12±	14±-12±	2-3.3mm ²	< φ4	M22520/1-01	TZB12, 黄色	TOB12, 白色

Figures Of Tools And Insertion/ Extraction 工具与装入取出示意图

Crimp Tool
压接工具



Insertion / Extraction Tool
装入取出工具



Instruction Of Insertion
插针(插孔)装入示意图



Instruction Of Extraction
插针(插孔)取出示意图

Step 1 步骤一



Step 2 步骤二



Step 3 步骤三



YDE Series Connector For Servo Motor

YDE 伺服电机连接器



YDE series are designed for connection between power line and control circuit of servo motor and widely applied to the industry of manufacturing servo motor.

本产品可用作伺服电机的动力线和控制线的电路连接，已被各伺服电机制造企业广泛采用。

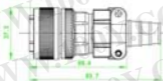
YDE Series Part Number Explanation

型号规格标示

	YD	E	28	J	15	T	S
Series Prefix 型号主称							
Designed For Servo Motor 伺服电机专用							
Shell Size 规格							
P — Pin S — Socket J — 插针 K — 插孔							
						Q — straight with cable clamp accessory O — 直式固定电端接头 S — 90° angled with cable clamp accessory S — 弯式固定电端接头	
						T — Plug T — 插头	Z — Receptacle Z — 安装式插座
						15 — qty. of contacts (include 4,5,7,10,11,15) 15 — 接触对数量 (包括4,5,7,10,11,15)	

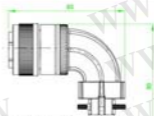
Shell Size 外形尺寸

Straight:
直式插头:



Applicable cable size $\phi 11 - \phi 13$
 适用电缆范围 $\phi 11 - \phi 13$

90° Angled:
弯式插头:



Applicable cable size
 $\phi 11 - \phi 13$
 适用电缆范围 $\phi 11 - \phi 13$

Mounting Dimensions Of Free Receptacle:
插座开孔及外形尺寸:



Contacts Arrangement 芯数排布图

View from mating face of pin contacts (P) 绝缘体端面为插针 (J)

	YDE28					
Qty. of contacts 芯数	4	5	7	10	11	15
Contacts arrangement 排布图						
Diameter of contacts = Qty. 接触对直径 × 数量	$\phi 2.5 \times 1$ $\phi 3.5 \times 3$	$\phi 3.5 \times 3$ $\phi 2.5 \times 2$	$\phi 2.5 \times 7$	$\phi 1.5 \times 10$	$\phi 2.5 \times 3$ $\phi 1.5 \times 8$	$\phi 1.5 \times 15$
Rated voltage 额定电压 (V)	400	400 250	400	400	320	250

