

JOHNN

Ex 无火花型防爆插头插座
Plug and socket for non-spark model



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WeChat



WhatsApp



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型号标注方法: YT-移动插头, GZ-固定插座, YZ-移动插座; 字母前数字-工作电流, 字母后数字-针、孔数; J-插针, K-插孔。字母后未标注针、孔数的均为三相四极。例: 60YT/GZ表示60A三相四极插头、座, 100YT-5J/GZ-5K表示100A三相五极插头、座。倒装时标志: 100YT-5K/GZ-5J。

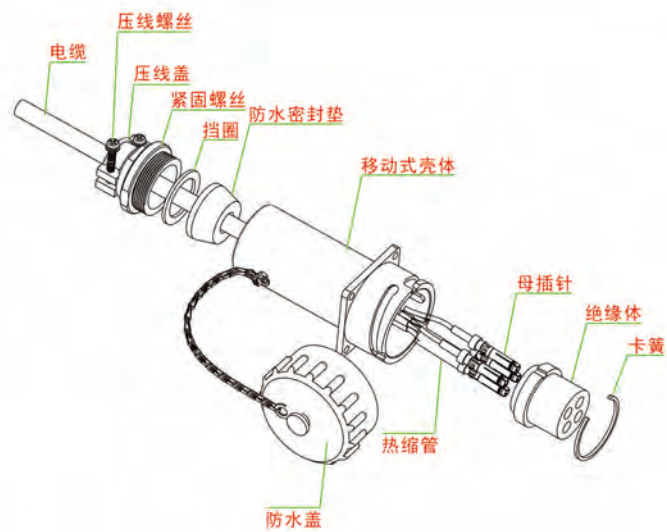
Type symbol illustration and meanings: YT-mobile plug, GZ/fixed/mobile socket, The digit before the letter working current, The digit after the letter number of pin/jack, J-pin, K-jack. Those not mark the pin/jack number are all 3 phases 4 wire,

Ex: 60YT/GZ means 3 phases 4 wires plug & socket, working current: 60A. 100YT-5J/GZ-5K means 3 phases 5 wires plug & socket, working current: 100A. sign for the upside-sown mounting: 100YT-5K/GZ-5J.

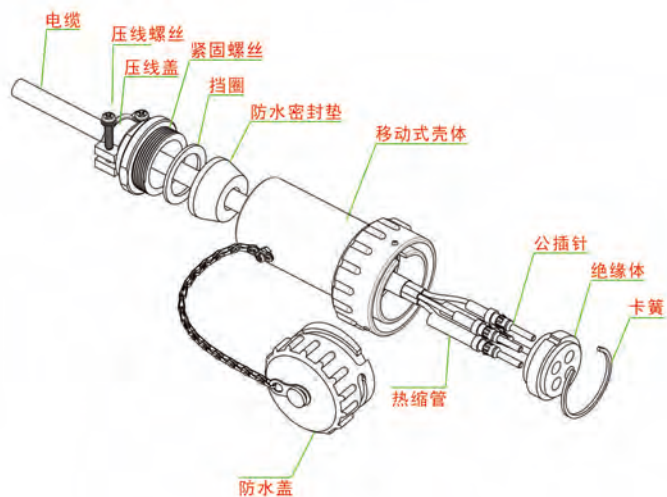
序号 No.	名称 Name	型号 Type	工作电流/电压 Working current/voltage	插座孔位形式 The form of socket holes	GZ/YZ安装开孔尺寸 Mounting dimensions
1	无火花型单相三极插头	15YT-3J	15A/250V		
	无火花型单相三极插座	15GZ-3K	15A/250V		
	无火花型单相三极移动插座	15YZ-3K	15A/250V		
2	无火花型三相四极插头	15YT-4J	15A/400V/500V		
	无火花型三相四极插座	15GZ-4K	15A/400V/500V		
	无火花型三相四极移动插座	15YZ-4K	15A/400V/500V		
3	无火花型三相五极插头	15YT-5J	15A/400V/500V		
	无火花型三相五极插座	15GZ-5K	15A/400V/500V		
	无火花型三相五极移动插座	15YZ-5K	15A/400V/500V		
4	无火花型单相三极插头	25YT-3J	25A/250V		
	无火花型单相三极插座	25GZ-3K	25A/250V		
	无火花型单相三极移动插座	25YZ-3K	25A/250V		
5	无火花型三相四极插头	25YT-4J	25A/400V/500V		
	无火花型三相四极插座	25GZ-4K	25A/400V/500V		
	无火花型三相四极移动插座	25YZ-4K	25A/400V/500V		
6	无火花型三相五极插头	25YT-5J	25A/400V/500V		
	无火花型三相五极插座	25GZ-5K	25A/400V/500V		
	无火花型三相五极移动插座	25YZ-5K	25A/400V/500V		
7	无火花型单相三极插头	60YT-3J	60A/250V		
	无火花型单相三极插座	60GZ-3K	60A/250V		
	无火花型单相三极移动插座	60YZ-3K	60A/250V		
8	无火花型三相四极插头	60YT-4J	60A/400V/500V		
	无火花型三相四极插座	60GZ-4K	60A/400V/500V		
	无火花型三相四极移动插座	60YZ-4K	60A/400V/500V		
9	无火花型三相五极插头	60YT-5J	60A/400V/500V		
	无火花型三相五极插座	60GZ-5K	60A/400V/500V		
	无火花型三相五极移动插座	60YZ-5K	60A/400V/500V		

序号 No.	名称 Name	型号 Type	工作电流/电压 Working current/voltage	插座孔位形式 The form of socket holes	GZ/YZ安装开孔尺寸 Mounting dimensions
10	无火花型三相四极插头	100YT-4J	100A/400V/500V		
	无火花型三相四极插座	100GZ-4K	100A/400V/500V		
	无火花型三相四极移动插座	100YZ-4K	100A/400V/500V		
11	无火花型三相五极插头	100YT-5J	100A/400V/500V		
	无火花型三相五极插座	100GZ-5K	100A/400V/500V		
	无火花型三相五极移动插座	100YZ-5K	100A/400V/500V		
12	无火花型三相四极插头	150YT-4J	150A/400V/500V		
	无火花型三相四极插座	150GZ-4K	150A/400V/500V		
	无火花型三相四极移动插座	150YZ-4K	150A/400V/500V		
13	无火花型三相五极插头	150YT-5J	150A/400V/500V		
	无火花型三相五极插座	150GZ-5K	150A/400V/500V		
	无火花型三相五极移动插座	150YZ-5K	150A/400V/500V		
14	无火花型三相四极插头	200YT-4J	200A/400V/500V		
	无火花型三相四极插座	200GZ-4K	200A/400V/500V		
	无火花型三相四极移动插座	200YZ-4K	200A/400V/500V		
15	无火花型三相五极插头	200YT-5J	200A/400V/500V		
	无火花型三相五极插座	200GZ-5K	200A/400V/500V		
	无火花型三相五极移动插座	200YZ-5K	200A/400V/500V		
16	无火花型三相四极插头	300YT-4J	300A/400V/500V		
	无火花型三相四极插座	300GZ-4K	300A/400V/500V		
	无火花型三相四极移动插座	300YZ-4K	300A/400V/500V		
17	大电流无火花型单芯插头	400YT-1J	400A/400V/500V		
	大电流无火花型单芯插座	400GZ-1K	400A/400V/500V		
	大电流无火花型单芯移动插座	400YZ-1K	400A/400V/500V		
18	大电流无火花型单芯插头	600YT-1J	600A/400V/500V		
	大电流无火花型单芯插座	600GZ-1K	600A/400V/500V		
	大电流无火花型单芯移动插座	600YZ-1K	600A/400V/500V		
19	大电流无火花型单芯插头	1000YT-1J	1000A/400V/500V		
	大电流无火花型单芯插座	1000GZ-1K	1000A/400V/500V		
	大电流无火花型单芯移动插座	1000YZ-1K	1000A/400V/500V		

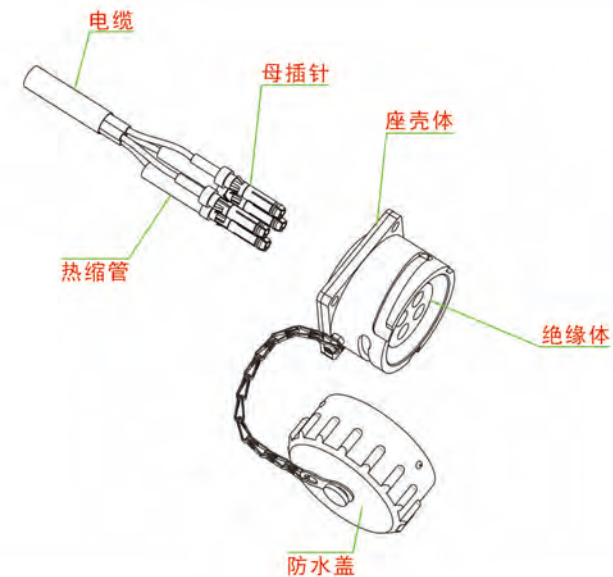
移动插座 (YZ)
安装分解图
Mobile plug (YZ)
The installation
decomposition
picture



移动插头 (YT)
安装分解图
Mobile socket (YT)
The installation
decomposition
picture



固定插座 (GZ)
安装分解图
Fixed socket (GZ)
The installation
decomposition
picture



无火花型防爆插头插座

Plug and socket for non-spark model



ZH-(15A/25A/32A/60A)YT/GZ-3(J/K)

无火花型单相三芯防爆电连接器

No spark type single-phase three core explosion proof electric connector

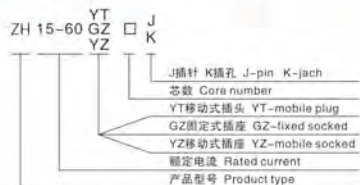


主要技术参数 Main technical parameters

环境温度: $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$;
 相对湿度: $40 \pm 2^{\circ}\text{C}$ 时 $90\% \sim 95\%$
 工作电压: 250VAC
 工作电流: 15A 25A 60A 三芯
 耐压: 2800VAC 50Hz
 绝缘电阻: $\geq 1000\text{m}\Omega$ 常态
 接触电阻: $\leq 0.5\text{m}\Omega$
 温升: $\leq 65\text{K}$
 外壳防护等级: IP55
 防爆等级: ExnA II T4GC
 机械寿命: 500次
 插头, 插座既可以装针也可以装孔

Environment temperature: $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$;
 Relative humidity: $40 \pm 2^{\circ}\text{C}$ $90\% \sim 95\%$
 Working voltage: 250VAC
 Working current: 15A 25A 60A three core
 Voltage: 2800VAC 50Hz
 Insulation resistance: $\geq 1000\text{m}\Omega$
 Contact resistance: $\leq 0.5\text{m}\Omega$
 Temperature: $\leq 65\text{K}$
 Shell protection grade: IP55
 Explosion-proof grade: ExnA II T4GC
 Mechanical life: 500 times
 Plug, socket can be fitted with needle can also be fitted with holes

型号含义 Type meaning



推荐适用电缆规格 Recommend to use cables with suitable specifications

型号 Type	单相三芯 2 Phases 3 wires	三相四线 3 Phases 4 wires	三相五线 3 Phases 5 wires
15A	$3 \times 1.5\text{mm}^2$ $3 \times 2.5\text{mm}^2$	$4 \times 1.5\text{mm}^2$ $4 \times 2.5\text{mm}^2$ $3 \times 2.5\text{mm}^2 + 1 \times 1.5\text{mm}^2$	$3 \times 1.5\text{mm}^2$ $4 \times 2.5\text{mm}^2 + 1 \times 1$
25A	$3 \times 2.5\text{mm}^2$ $3 \times 6\text{mm}^2$	$4 \times 4\text{mm}^2$ $4 \times 6\text{mm}^2$ $3 \times 6\text{mm}^2 + 1 \times 2.5\text{mm}^2$	$5 \times 2.5\text{mm}^2$ $5 \times 4\text{mm}^2$
60A	$3 \times 10\text{mm}^2$ $3 \times 16\text{mm}^2$	$4 \times 10\text{mm}^2$ $4 \times 16\text{mm}^2$ $3 \times 10\text{mm}^2 + 1 \times 6\text{mm}^2$	$5 \times 6\text{mm}^2$ $5 \times 10\text{mm}^2$

主要特性 Main features

ZH-15A, 25A, 60 YT/GZ-YZ系列单相三芯无火花型电连接器, 适用于石油勘探、钻井、电路照明、野外移动配电房、电缆和电缆之间连接之用, 具有接触可靠、拆卸简便、密封性能和绝缘性好、有防爆、防雨淋、防震、防尘等特点。

该连接器由插头和插座两部分组成, 其中插头为移动式(YT), 插座有三种形式选择: 1. 面板固定式(GZ), 2. 移动式(YZ), 3. 斜式固定插座(XGZ)。(详见18页)。插头和插座的连接方式为卡口式、快速连接、接触件与导线端为压接, 接触件采用弹性齿圈支撑定位, 为后装前拆结构, 插头的接触件镀银, 外壳采用压铸铝合金制成。

ZH-15A, 25A, YT/GZ-YZ series single-phase three core non sparking electrical connector, apply to oil exploration, drilling, lighting circuit, mobile power distribution room, cable and cable connection with, has reliable contact, easy assembly and disassembly, sealing performance and good insulation, shockproof, dustproof rainproof, etc..

The connector comprises a plug and socket is composed of two parts, wherein the plug for mobile (YT), socket has three forms: 1. the panel fixed type (GZ), 2. mobile (YZ), 3. oblique type fixed socket (XGZ). (see page 18). Connection plug and socket for the bayonet, fast connection, contact wire terminal crimping, contact with elastic ring gear support localization, after installed before the demolition of the structure, the contact silver plug, shell is made of casting aluminum alloy.

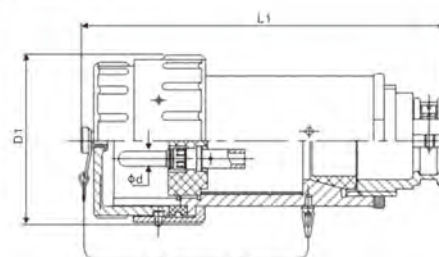
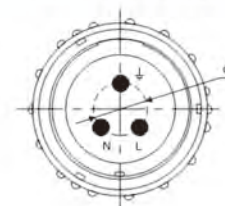
ZH-(15A/25A/32A/60A)YT/GZ-3(J/K)

无火花型单相三芯防爆电连接器

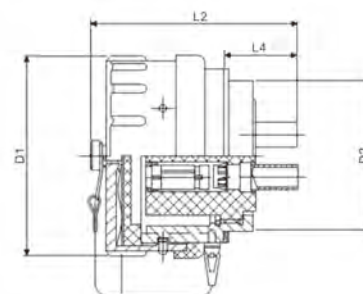
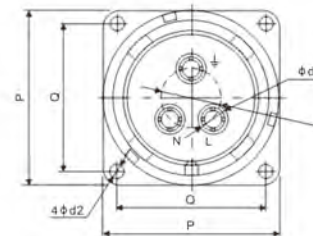
No spark type single-phase three core explosion proof electric connector

外形及安装尺寸 Outline and mounting dimensions

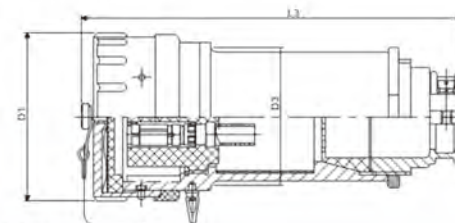
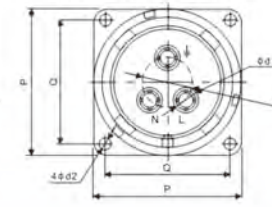
a. 移动式插头(YT) Mobile plug(YT)

去盖
After the cover is removed

b. 固定式插座(GZ) Fixed socket(GZ)

去盖
After the cover is removed

c. 移动式插座(YZ) Mobile socket(YZ)

去盖
After the cover is removed

插头、插座基本尺寸表

规格 Specification	尺寸 Size	L1≈	L2≈	L3≈	L4≈	D1	D2	D3	φd±0.07	φd1	φd2	P	Q±0.2
15A		130	55	132	8	φ49	φ33	φ35	13	3	4.5	42.5	34
25A		144	64	142	18	φ61	φ42	φ51	15.6	3.5	4.5	51	42
60A		153	72	145	22	φ64	φ48	φ51	18	5.5	4.5	56	47.5
100A		166	85	173	30	φ79	φ61	φ65	24	7	5.5	70	60
150A		177	92	188	32	φ84	φ65	φ70	27	8.5	5.5	75	64
200A		195	100	199	32	φ90	φ71	φ73.5	30	10	5.5	80	70
300A		200	100	199	42	φ90	φ71	φ73.5	34.5	12	5.5	80	70



主要技术参数 Main technical parameters

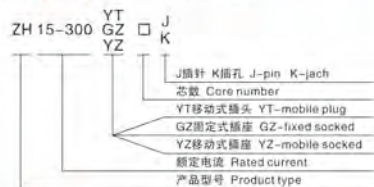
环境温度: $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$;
 工作电压: 380V~500VAC 50Hz~60Hz
 工作电流: 15A 25A 60A 100A 150A 200A 300A 四芯
 耐压: 2800VAC 50Hz
 绝缘电阻: $\geq 1000\text{M}\Omega$ 常态
 接触电阻: $\leq 0.5\text{m}\Omega$
 温升: $\leq 65\text{K}$
 外壳防护等级: IP55
 防爆等级: ExnA II T4GC
 防爆标准: GB-3836.1-2010
 机械寿命: 500次
 插头, 插座既可以装针也可以装孔



Environment temperature: $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$;
 Working voltage: 380V~500VAC 50Hz~60Hz
 Working current: 15A 25A 60A 100A 150A 200A 300A four core
 Voltage: 2800VAC 50Hz
 Insulation resistance: $\geq 1000\text{M}\Omega$
 Contact resistance: $\leq 0.5\text{m}\Omega$
 Temperature: $\leq 65\text{K}$
 Shell protection grade: IP55
 Explosion-proof grade: ExnA II T4GC
 Explosion proof standards: GB-3836.1-2010
 Mechanical life: 500 times
 Plug, socket can be fitted with needle can also be fitted with holes



型号含义 Type meaning



主要特性 Main features

ZH-15-300 YT/GZ-4系列三相四线无火花型连接器, 适用于石油勘探、钻井平台、电路和mca房配电连接之用, 具有接触可靠、密封性能好、有防雨淋、防震、防尘等特点。

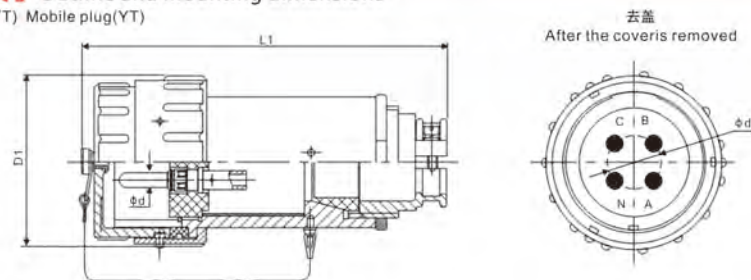
该连接器由插头和插座两部分组成, 其中插头为移动式(YT), 插座有三种形式选择: 1. 面板固定式(GZ), 2. 移动式(YZ), 3. 斜式固定插座(XGZ)。(详见18页)。插头和插座的连接方式为卡口式、快速连接、接触件与导线端为压接式, 接触件采用弹性齿圈支撑定位, 为后装前拆结构, 插头的接触件镀银, 外壳采用压铸铝合金制成。

ZH-15-300 YT/GZ-4series single-phase three core non sparking electrical connector, apply to oil exploration, drilling, lighting circuit, mobile power distribution room, cable and cable connection with, has reliable contact, easy assembly and disassembly, sealing performance and good insulation, shockproof, dustproof rainproof, etc..

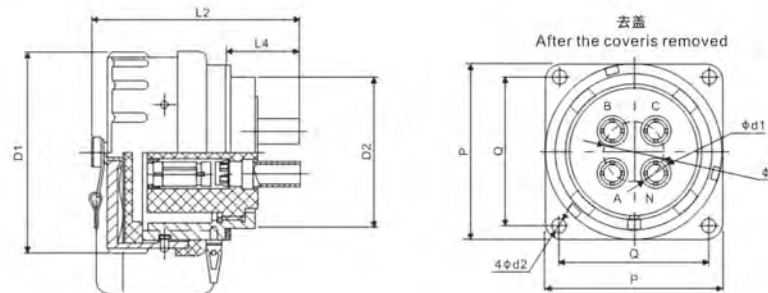
The connector comprises a plug and socket is composed of two parts, wherein the plug for mobile (YT), socket has three forms: 1. the panel fixed type (GZ), 2. mobile (YZ), 3. oblique type fixed socket (XGZ). (see page 18). Connection plug and socket for the bayonet, fast connection, contact wire terminal crimping, contact with elastic ring gear support localization, after installed before the demolition of the structure, the contact silver plug, shell is made of casting aluminum alloy.

外形及安装尺寸 Outline and mounting dimensions

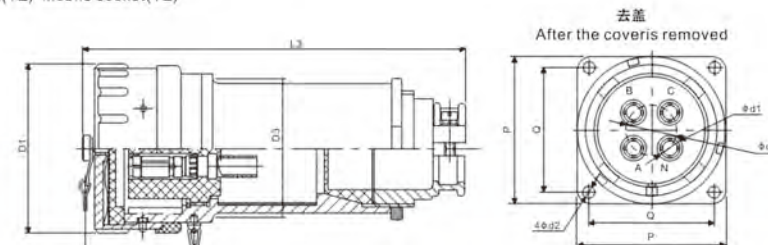
a. 移动式插头(YT) Mobile plug(YT)



b. 固定式插座(GZ) Fixed socket(GZ)



c. 移动式插座(YZ) Mobile socket(YZ)



插头、插座基本尺寸表

规格 Specification	尺寸 Size	L1	L2	L3	L4	D1	D2	D3	$\phi d \pm 0.07$	$\phi d1$	$\phi d2$	P	$Q \pm 0.2$
15A		130	55	132	8	$\phi 49$	$\phi 33$	$\phi 35$	13	3	4.5	42.5	34
25A		144	64	142	18	$\phi 61$	$\phi 42$	$\phi 51$	15.6	3.5	4.5	51	42
60A		153	72	145	22	$\phi 64$	$\phi 48$	$\phi 51$	18	5.5	4.5	56	47.5
100A		166	85	173	30	$\phi 79$	$\phi 61$	$\phi 65$	24	7	5.5	70	60
150A		177	92	188	32	$\phi 84$	$\phi 65$	$\phi 70$	27	8.5	5.5	75	64
200A		195	100	199	32	$\phi 90$	$\phi 71$	$\phi 73.5$	30	10	5.5	80	70
300A		200	100	199	42	$\phi 90$	$\phi 71$	$\phi 73.5$	34.5	12	5.5	80	70



主要技术参数 Main technical parameters

环境温度: $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$;

工作电压: 380V-500VAC

工作电流: 15A-300A 五芯

耐压: 2800VAC 50Hz

绝缘电阻: $\geq 1000\text{M}\Omega$ 常态接触电阻: $\leq 0.5\text{m}\Omega$ 温升: $\leq 65\text{K}$

外壳防护等级: IP55

防爆等级: ExnA II T4GC

防爆标准: GB-3836.1-2010

机械寿命: 500次

Ambient temperature: $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$;

Working voltage: 380V-500VAC

Working current: 15A-300A

Withstand: 2800VAC 50Hz

Insulated resistance: $\geq 1000\text{M}\Omega$ in normal statecontact: $\leq 0.5\text{m}\Omega$ Temperature: $\leq 65\text{K}$

Case protection grade: IP55

Explosion-proof grade: ExnA II T4GC

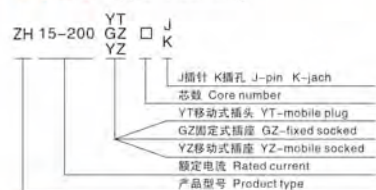
Explosion-proof standards: GB-3836.1-2010

Mechanical service life: 500 times

推荐使用电缆规格 Recommend the use of cable specification

型号 Type	推荐使用电缆规格		
	单相三极	三相四极	三相五极
15A	3x1.5mm ² 3x2.5mm ²	4x1.5mm ² 4x2.5mm ² 3x2.5mm ² 1x1.5mm ²	3x1.5mm ² 4x2.5mm ² 1x1
25A	3x4mm ² 3x6mm ²	4x2.5mm ² 4x4mm ² 3x4mm ² 1x2.5mm ²	5x2.5mm ² 5x4mm ²
60A	3x10mm ² 3x16mm ²	4x10mm ² 4x16mm ² 3x16mm ² 1x6mm ²	5x6mm ² 5x10mm ²
100A	—	4x16mm ² 4x25mm ² 3x25mm ² 1x10mm ²	5x16mm ² 5x25mm ²
150A	—	3x35mm ² 1x10mm ² 3x35mm ² 1x16mm ²	5x25mm ² 3x35mm ² 2x10mm ²
200A	—	3x50mm ² 1x15mm ² 3x50mm ² 1x25mm ²	5x50mm ² 3x35mm ² 2x16mm ²
300A	—	3x70mm ² 1x35mm ² 3x95mm ² 1x50mm ²	—

型号含义 Type meaning



主要特性 Main features

ZH-15A-200A YT/GZ、YZ-5系列三相五线无火花型防爆连接器,适用于石油勘探、钻井平台、电路和MCC房配电连接之用,具有接触可靠、密封性能好、有防雨淋、防震、防尘等特点。

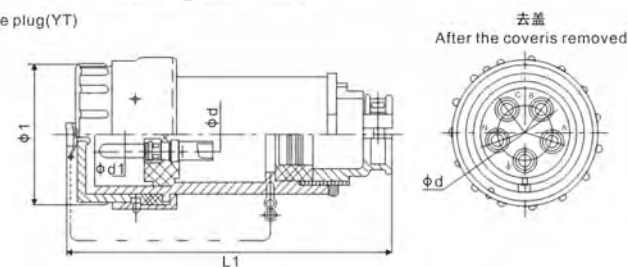
该连接器由插头和插座两部分组成,其中插头为移动式(YT),插座有三种形式选择:1.面板固定式(GZ),2.移动式(YZ),3.斜式固定插座(XGZ)。(详见18页)。插头和插座的连接方式为卡口式、快速连接、接触件与导线端为压接式,接触件采用弹性齿圈支撑定位,为后装前拆结构,插头的接触件镀银,外壳采用压铸铝合金制成。

ZH-15A-200A YT/GZ、YZ-5 series three-phase five wire sparkless explosion-proof connector, suitable for petroleum exploration, drilling platform, circuit and MCC real distribution connection with, has reliable contact, sealing good sealing performance, a rain proof, shockproof, dustproof etc.

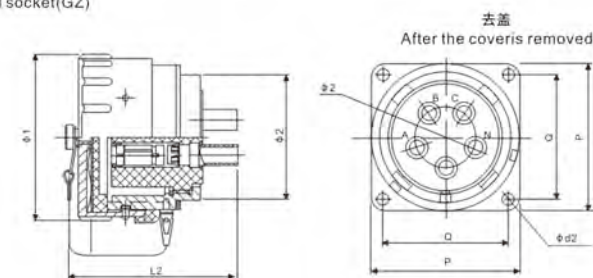
The connector comprises a plug and socket is composed of two parts, wherein the plug for mobile (YT), socket has three forms: 1. the panel fixed type (GZ), 2. mobile (YZ), 3. oblique type fixed socket (XGZ). (see page 18). Connection plug and socket for the bayonet, fast connection, contact wire terminal crimping, contact with elastic ring gear support localization, after installed before the demolition of the structure, the contact silver plug, shell is made of casting aluminum alloy.

外形及安装尺寸 Outline and mounting dimensions

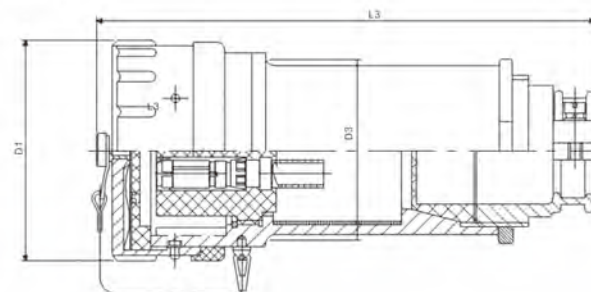
a. 移动式插头(YT) Mobile plug(YT)



b. 固定式插座(GZ) Fixed socket(GZ)



c. 移动式插座(YZ) Mobile socket(YZ)



插头、插座基本尺寸表

规格 Specification	尺寸 Size	L1≈	L2≈	L3≈	L4≈	D1	D2	D3	φd±0.07	φd1	φd2	P	Q±0.2
15A		130	55	132	8	φ49	φ33	φ35	13	3	4.5	42.5	34
25A		144	64	142	18	φ61	φ42	φ51	15.6	3.5	4.5	51	42
60A		153	72	145	22	φ64	φ48	φ51	18	5.5	4.5	56	47.5
100A		166	85	173	30	φ79	φ61	φ65	24	7	5.5	70	60
150A		177	92	188	32	φ84	φ65	φ70	27	8.5	5.5	75	64
200A		195	100	199	32	φ90	φ71	φ73.5	30	10	5.5	80	70
300A		200	100	199	42	φ90	φ71	φ73.5	34.5	12	5.5	80	70

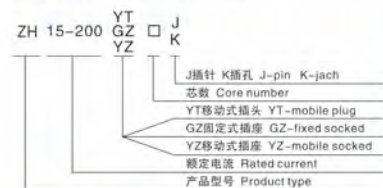


主要技术参数 Main technical parameters

环境温度: $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$;
 工作电压: 250V/400V/500VAC
 工作电流: 15A/25A/60A/100A/150A/200A
 耐压: 2800VAC 50Hz
 绝缘电阻: $\geq 1000\text{m}\Omega$ 常态
 接触电阻: $\leq 0.5\text{m}\Omega$
 温升: $\leq 65\text{K}$
 外壳防护等级: IP65
 单极拔出力: $\geq 15\text{n}$
 接触芯数: 3芯、4芯、5芯
 机械寿命: 500次
 插头插座既可以装针也可以装孔

Environment temperature: $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$;
 Working voltage: 250V/400V/500VAC
 Working current: 15A/25A/60A/100A/150A/200A
 Voltage: 2800VAC 50Hz
 Insulation resistance: $\geq 1000\text{m}\Omega$
 Contact resistance: $\leq 0.5\text{m}\Omega$
 Temperature: $\leq 65\text{K}$
 Shell protection grade: IP65
 Unipolar pullout: $\geq 15\text{N}$
 Contact core number: 3 core, 4 core, 5 core
 Mechanical life: 500 times
 Plug and socket can be fitted with needle can also be fitted with holes

型号含义 Type meaning



绝缘座



插针、插孔 Pin jack

主要特性 Main features

新改进型全塑防爆连接器 ZH-15-200YT/GZ、YZ-3、4、5芯，插头座、外壳采用现代新材料高强度增强型尼龙PA66原料，其具有耐腐蚀、增强抗冲击、耐寒防火阻燃、定性良好等性能，其外形尺寸和内装件与铝合金YT/GZ-YZ同样通用，相助对接可用，其主要优点提高比铝合金外壳防腐、绝缘性能高。

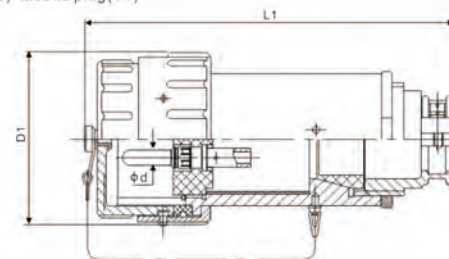
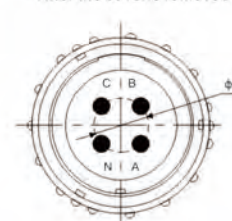
该产品适用于石油钻井平台、电路、井下配电照明、海洋平台、船舶、码头等电路和电缆连接，符合国际GB-3836.8-2003标准，爆炸性气体环境用电气设备部分“n”型电气设备，防爆标志：ExnA II T4Gc。

The new improved full plastic explosion-proof connector ZH-15-200YT/GZ、YZ-3、4、5 core, plug socket, shell adopting modern new material of high strength reinforced nylon PA66 raw material, its corrosion resistance, impact resistance, cold resistance enhanced fire retardant, qualitative good properties, and the external dimension of the aluminum alloy YT/GZ-YZ the same universal docking, help available higher than the aluminum alloy shell, anti-corrosion, high insulation performance of its main advantages.

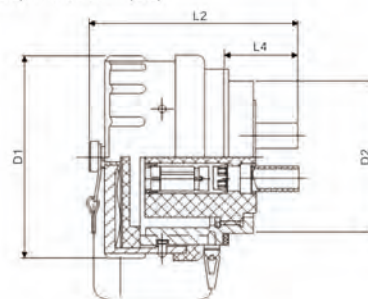
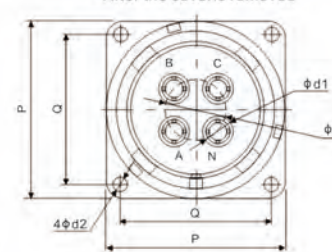
The product is suitable for oil drilling platform, circuit, underground distribution lighting, offshore platform, ship, dock circuit and cable connections, in line with the international GB-3836.8-2003 standards, electrical apparatus for explosive gas atmospheres Part of "n" type electrical equipment, explosion-proof symbol: ExnA II T4Gc.

外形及安装尺寸 Outline and mounting dimensions

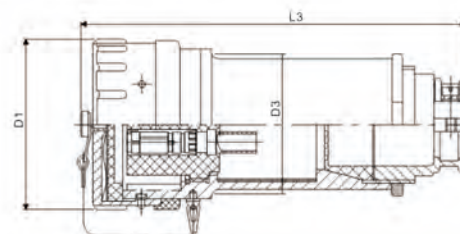
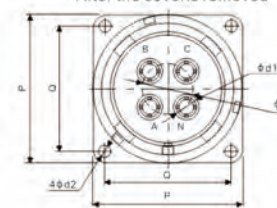
a. 移动式插头(YT) Mobile plug(YT)

去盖
After the cover is removed

b. 固定式插座(GZ) Fixed socket(GZ)

去盖
After the cover is removed

c. 移动式插座(YZ) Mobile socket(YZ)

去盖
After the cover is removed

插头、插座基本尺寸表

规格 Specification	尺寸 Size	L1≈	L2≈	L3≈	L4≈	D1	D2	D3	$\phi d \pm 0.07$	$\phi d1$	$\phi d2$	P	$Q \pm 0.2$
15A		130	55	132	8	$\phi 49$	$\phi 33$	$\phi 35$	13	3	4.5	42.5	34
25A		144	64	142	18	$\phi 61$	$\phi 42$	$\phi 51$	15.6	3.5	4.5	51	42
60A		153	72	145	22	$\phi 64$	$\phi 48$	$\phi 51$	18	5.5	4.5	56	47.5
100A		166	85	173	30	$\phi 79$	$\phi 61$	$\phi 65$	24	7	5.5	70	60
150A		177	92	188	32	$\phi 84$	$\phi 65$	$\phi 70$	27	8.5	5.5	75	64
200A		195	100	199	32	$\phi 90$	$\phi 71$	$\phi 73.5$	30	10	5.5	80	70
300A		200	100	199	42	$\phi 90$	$\phi 71$	$\phi 73.5$	34.5	12	5.5	80	70



主要技术参数 Main technical parameters

环境温度：-20℃~+60℃；
工作电压：250V/400V/500VAC
工作电流：15A/25A/60A/100A/150A/200A
耐压：2800VAC 50Hz
绝缘电阻： $\geq 1000\text{m}\Omega$ 常态
接触电阻： $\leq 0.5\text{m}\Omega$
温升： $\leq 65\text{K}$
外壳防护等级：IP65
单极拔出力： $\geq 15\text{N}$
接触芯数：3芯、4芯、5芯
机械寿命：500次
插头插座既可以装针也可以装孔

Environment temperature: $-20^{\circ}\text{C} \rightarrow +60^{\circ}\text{C}$;
Working voltage: 250V/400V/500VAC
Working current: 15A/25A/60A/100A/150A/200A
Voltage: 2800VAC 50Hz
Insulation resistance: $\geq 1000\text{m}\Omega$
Contact resistance: $\leq 0.5\text{m}\Omega$.
Temperature: $\leq 65\text{K}$
Shell protection grade: IP65
Unipolar pullout: $\geq 15\text{N}$
Contact core number: 3 core, 4 core, 5 core
Mechanical life: 500 times
Plug and socket can be filled with needle can also be fitted with holes

Plug and socket can be filled with needle can also be fitted with holes

型号含义 Type meaning

ZH 15-200

YT
GZ
YZ

J
K

J插针 J插孔 J-pin K-jack

芯数 Core number

YT移动式插头 YT-mobile plug

GZ固定式插座 GZ-fixed socket

YZ移动式插座 YZ-mobile socket

额定电流 Rated current

产品型号 Product type

主要特性 Main features

新改进型全塑防爆连接器 ZH-15-200YT/GZ、YZ-3、4、5芯, 插头座、外壳采用现代新材料高强度增强型尼龙PA66原料, 其具有耐腐蚀、增强抗压冲击、耐寒防火阻燃、定性良好等性能, 其外形尺寸和内装件与铝合金YT/GZ-YZ同样通用, 相助对接可用, 其主要优点提高比铝合金外壳抗腐强、绝缘性能高。

该产品适用于石油钻井平台、电路、井下配电照明、海洋平台、船舶、码头等电路和电缆连接，符合国际GB-3836.8-2003标准，爆炸性气体环境用电气设备部分“n”型电气设备，防爆标志：ExnA II T4Gc。

The new improved full plastic explosion-proof connector ZH-15-200YT/GZ, YZ-3, 4, 5 core, plug socket, shell adopting modern new material of high strength reinforced nylon PA66 raw material, its corrosion resistance, impact resistance, cold resistance enhanced fire retardant, qualitative good properties, and the external dimension of the aluminum alloy YT/GZ-YZ the same universal docking, help available higher than the aluminum alloy shell, anti-corrosion, high insulation performance of its main advantages.

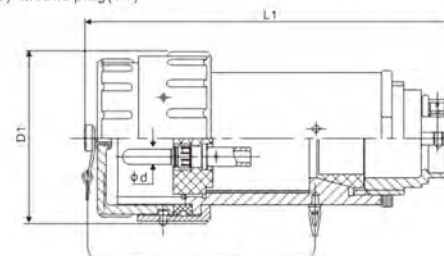
The product is suitable for oil drilling platform, circuit, underground distribution lighting, offshore platform, ship, dock circuit and cable connections, in line with the international GB-3836.8-2003 standards, electrical apparatus for explosive gas atmospheres Part of "n" type electrical equipment, explosion-proof symbol: ExnA II T4GC.

推荐使用电缆规格 Recommend the use of cable specification

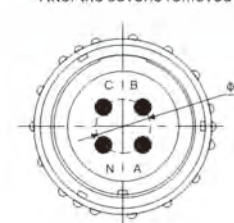
型号 Type	推荐使用电缆规格		
	单相三根	三相四线	三相五线
15A	3×1.5mm ² ×2.5mm ²	4×1.5mm ² ×4×2.5mm ² ×3×2.5mm ² ×1×1.5mm ²	3×1.5mm ² ×4×2.5mm ² ×1×1
25A	3×4mm ² ×3×6mm ²	4×2.5mm ² ×4×4mm ² ×3×4mm ² ×1×2.5mm ²	5×2.5mm ² ×5×4mm ²
60A	3×10mm ² ×3×16mm ²	4×10mm ² ×4×16mm ² ×3×16mm ² ×1×6mm ²	5×6mm ² ×5×10mm ²
100A		4×16mm ² ×4×25mm ² ×3×25mm ² ×4×10mm ²	5×16mm ² ×5×25mm ²
150A		3×35mm ² ×1×10mm ² ×3×35mm ² ×1×16mm ²	5×25mm ² ×3×35mm ² ×2×10mm ²
200A		3×50mm ² ×1×15mm ² ×3×50mm ² ×1×25mm ²	5×50mm ² ×3×35mm ² ×2×16mm ²
300A		3×70mm ² ×1×35mm ² ×3×95mm ² ×1×50mm ²	

外形及安装尺寸 Outline and mounting dimensions

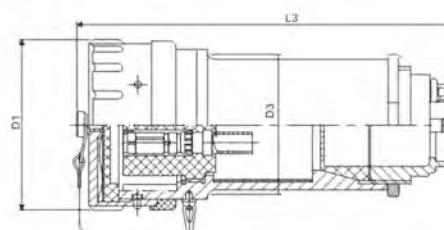
a. 移动式插头(YT) Mobile plug(YT)



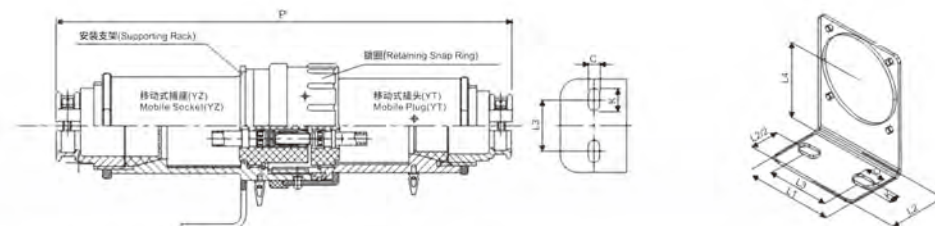
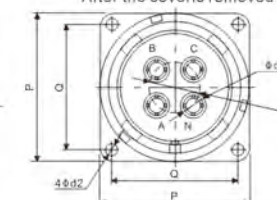
去盖
After the cover is removed



c. 移动式插座(YZ) Mobile socket(YZ)



去盖
After the cover is removed



插头、插座基本尺寸表

规格 Specification	尺寸 Size	L1≈	L2≈	L3≈	L4≈	D1	D2	D3	φd±0.07	φd1	φd2	P	Q±0.2
15A		130	55	132	8	φ49	φ33	φ35	13	3	4.5	42.5	34
25A		144	64	142	18	φ61	φ42	φ51	15.6	3.5	4.5	51	42
60A		153	72	145	22	φ64	φ48	φ51	18	5.5	4.5	56	47.5
100A		166	85	173	30	φ79	φ61	φ65	24	7	5.5	70	60
150A		177	92	188	32	φ84	φ65	φ70	27	8.5	5.5	75	64
200A		195	100	199	32	φ90	φ71	φ73.5	30	10	5.5	80	70
300A		200	100	199	42	φ90	φ71	φ73.5	34.5	12	5.5	80	70



主要技术参数 Main technical parameters

工作电压：500VAC
工作电流：200A 400A 600A 800A 1000A
耐压：2800VAC/50Hz
外壳防护等级：IP55
单级拔出力：≥50N~100N
端接方式：压接式连接
接触芯数：单芯
机械寿命：500次
插头插座既可以装针也可以装孔

Working voltage: 500VAC
Working current: 200A 400A 600A 800A 1000A
Withstand voltage: 2800VAC/50Hz
Case protection grade: IP55
Monopole contact insertion and withdraw force: $\geq 50\text{n}-100\text{n}$
Termination: Crimp type connection
The contact number of cores: Single core
Mechanical service life: 500 times
Plug and socket can be filled with needle can also be fitted with holes

型号含义 Type meaning

ZH400-1000 YZ $\square$ J K
 YZ YZ J K
 J插针 K插孔 J-pin K-jack
 芯数 Core number
 YT移动式插头 YT-mobile plug
 GZ固定式插座 GZ-fixed socked
 YZ移动式插座 YZ-mobile socked
 额定电流 Rated current
 产品型号 Product type

主要特性 Main features

无火花型单芯插头插座可供野外移动电站与电缆、电缆与负载之间的连接,适合大电流电缆供电。四个单芯连接器分别表示A、B、C、N级。插头座壳体采用铝合金压铸,接触件镀银,导线采用压接,具有快速插拔,防水防尘,连接可靠等特点。其符合GB3836.8-2003《爆炸性气体环境用电气设备第8部分“n”型电气设备》标准。防爆标志为:ExnAII T4,该系列产品经国家指定的防爆电气产品质量监督检验测试中心检验合格,取得防爆合格证。编号为:8120904

插针插孔接触件采用导电性能良好的铜合金材料制造, 表面镀银D.L3Ag10。接触件插配直径400A ϕ 20, 600A~1000A为 ϕ 24。插拔力5~10Kg.f, 接触电阻: $\leq 0.00010\Omega$ 。

装配后接触件对外壳之间绝缘 $\geq 100\text{m}\Omega$ (常态),并承受AC2800V 1分钟绝缘介电强度试验,无击穿无闪络。

温升: $\leq 65^{\circ}\text{C}$

额定电压/额定电流: 750V/400~1000A

No spark type single core plug and socket for mobile power station and between cable, cable and connection of load, power supply of high current cables. Four single core connector A respectively, B, C, N. The plug seat shell using aluminum alloy die-casting, contact pieces of silver, the conductor by crimping, with quick swap, waterproof and dustproof, reliable connection etc.. The GB3836.3-2003 "electrical apparatus for explosive gas atmospheres Part eighth" n type electrical apparatus" standard. Explosion-proof symbol is:ExnA II T4, the series of products are designated by the national explosion-proof electrical products quality supervision and testing center inspection, made explosion-proof certification. Number: 8120904

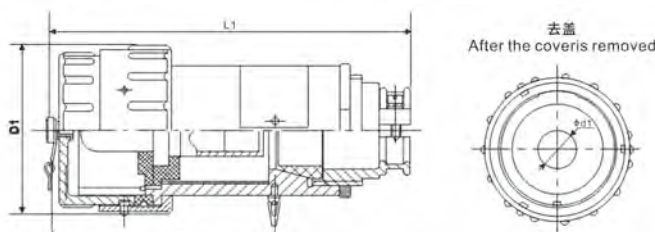
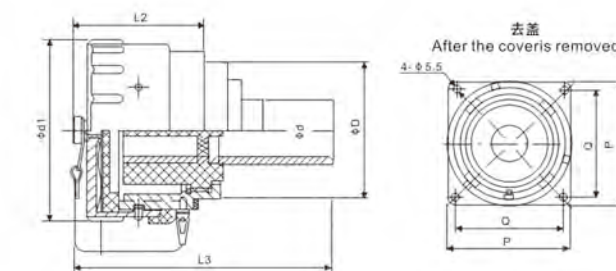
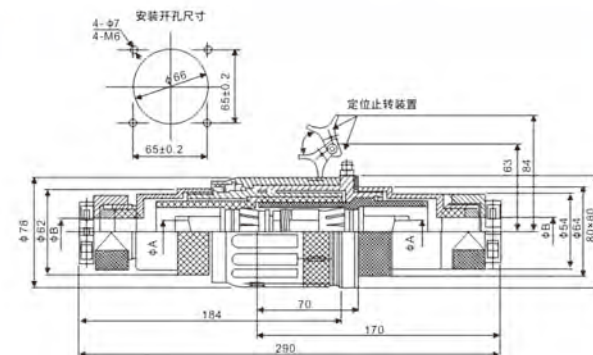
A pin socket contact is made of copper alloy material with good electric conductivity, silver plated D.L3Ag10. Contact inserted 400A diameter ϕ 20600A -1000A ϕ 24. Plug 5-10K Ω f. contact resistance: ≤ 0.0001

The assembly after the contacts of the housing between the insulation > 100m Ω (normal). And under AC2800V 1 minutes of insulating dielectric strength test, no breakdown, no flashover

Temperature: $\leq 65^{\circ}\text{C}$

Rated voltage / current rating: 750V/400~1000A.

外形及安装尺寸 Outline and mounting dimensions



插头、插座基本尺寸表

型号 Type	ΦD1	Φd1	ΦD	L1=	L2=	L3=	P	Q	选用电缆(YC YCW) Size AWG(mm)
400A	79	20	79	168	50	108	70	60	70 95 120
600A	84	24	84	175	60	126	75	64	150 185 240
800A	90	24	90	195	68	140	80	70	300 400 444MCM(240)
1000A	90	24	90	195	68	140	80	70	535MCM 646MCM

ZH-16YT/GZ/YZ 无火花型多芯连接器

ZH-16YT/GZ/YZ No spark type multi pin connector



主要特性 Main features

该型连接器适用于机车车辆、船舶电控、石油勘探、钻井电控及动力传输系统的电气连接。

插座前端设有密封盖帽，插头为全密封式，连接方式为螺旋卡口式快速连接，接触件与导线端接形式为冷压接式和焊接式。

具有密封性、绝缘性好、接触可靠、防震抗冲击、操作简便等特点。

This type of connector is suitable for electric locomotive, ship control, oil exploration, drilling control and power transmission system.

The front end is provided with a sealing cap socket, the plug is fully enclosed, connection type for spiral bayonet type fast connection, contact with the wire termination form cold pressure welding.

Good sealing performance, good insulation, reliable contact, impact and shock resistant, simple operation and etc..

主要技术参数 Main technical parameters

环境温度: $-40^{\circ}\text{C} \sim +55^{\circ}\text{C}$;

相对湿度: 温度 $40 \pm 2^{\circ}\text{C}$ 时, 90%~95%;

大气压力: 55Kpa(海拔4850米);

振动: 10~55Hz、幅值0.75mm;

碰撞: 10~40次/分、加速度 250m/s^2 ;

工作电压: 500VAC;

工作电流: 15A 25A;

接触电阻: $\leq 1.0\text{m}\Omega$ — $1-\phi 2.5$ 接触对;

$\leq 0.8\text{m}\Omega$ — $3-\phi 3.0$ 接触对;

绝缘电阻: $\geq 1000\text{m}\Omega$;

耐压: 2800V(AC)50Hz;

机械寿命: 500次。

Environment temperature: $-40^{\circ}\text{C} \sim +55^{\circ}\text{C}$;

Relative humidity: temperature $40 \pm 2^{\circ}\text{C}$, 90%~95%;

Atmospheric pressure: 55Kpa (elevation 4850 meters);

The amplitude of vibration: 10~55Hz, 0.75mm;

Crash: 10~40 times / min, 250m/s^2 acceleration;

Working voltage: 500VAC;

Working current: 15A 25A;

Contact resistance: $\leq 1.0\text{m}\Omega$ — $1-\phi 2.5$ contact pair

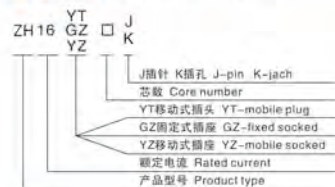
$\leq 0.8\text{m}\Omega$ — $3-\phi 3.0$ contact pair

Insulation resistance: $\geq 1000\text{m}\Omega$;

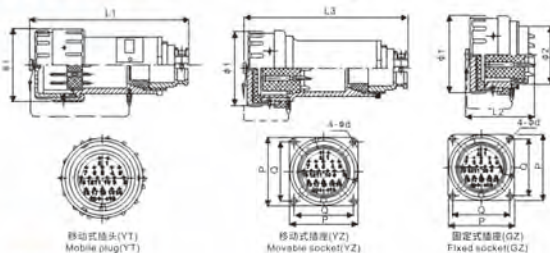
Voltage: 2800V (AC) 50Hz;

Mechanical life: 500 times.

型号含义 Type meaning



外形及安装尺寸 Outline and mounting dimensions



插头、插座基本尺寸表

型号 Type	L1	L2	L3	$\phi 1$	$\phi 2$	$\phi 11$	P	$Q \pm 0.2$
30芯	175	92	188	84	65	5.5	75	64
20/26芯	166	85	173	79	64	5.5	70	60
14芯	150	72	145	64	48	4.5	56	47.5
11芯	150	72	145	64	48	4.5	56	47.5
7芯	144	64	142	61	42	4.5	51.70	42

ZH-16YT/GZ/YZ 无火花型多芯连接器

ZH-16YT/GZ/YZ No spark type multi pin connector

外形及安装尺寸 Outline and mounting dimensions

1	防爆防水型7芯连接器 (橡胶绝缘体)	16YT-7J/GZ、YZ-7K (外壳通用本公司25A产品) (The case is interchangeable with 25A product made in this company)	16A 12V/400V		
2	防爆防水型11芯连接器 (橡胶绝缘体)	16YT-11J/GZ、YZ-11K (外壳通用本公司60A产品) (The case is interchangeable with 60A product made in this company)	16A 12V/400V		
3	防爆防水型14芯连接器 (橡胶绝缘体)	16YT-14J/GZ、YZ-14K (外壳通用本公司60A产品) (The case is interchangeable with 60A product made in this company)	16A 12V/400V		
4	防爆防水型20芯连接器 (橡胶绝缘体)	16YT-20J/GZ、YZ-20K (外壳通用本公司100A产品) (The case is interchangeable with 100A product made in this company)	16A 12V/400V		
5	防爆防水型20芯连接器	16YT-20J/GZ、YZ-20K (外壳通用本公司100A产品) (The case is interchangeable with 100A product made in this company)	25A 12V/400V		
6	防爆防水型26芯连接器	25YT-26J/GZ、YZ-26K (外壳通用本公司100A产品) (The case is interchangeable with 100A product made in this company)	25A 12V/400V		
7	防爆防水型30芯连接器	15YT-30J/GZ、YZ-30K (外壳通用本公司150A产品) (The case is interchangeable with 150A product made in this company)	25A 12V/400V		

移动式防爆连接器

Mobile explosion-proof connector



主要技术参数 Main technical parameters

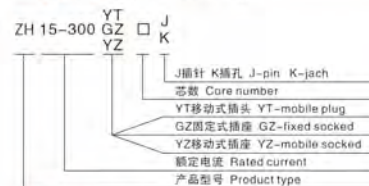
额定工作电压: 250V/500VAC;
 额定工作电流: 300A 200A 150A 100A 60A 25A 15A;
 绝缘电阻: 正常不小于100mΩ, 湿度试验后不小于5Ω;
 接触电阻: <0.0005mΩ;
 耐压: 2800V 50~400Hz常态;
 最小电气间隙5mm, 最小爬电距离7.1mm;
 温升: ≤65℃;
 外壳防护等级: IP55;
 单极插拔力: ≥15N;
 机械寿命: 500次。

Rated voltage: 250V/500VAC;
 Rated working current: 300A 200A 150A 100A 60A 25A 15A;
 Insulation resistance: normal is not less than 100mΩ, humidity test of not less than 5Ω;
 Contact resistance: <0.0005mΩ;
 Voltage: 2800V 50~400Hz;
 Minimum electrical clearance 5mm, the minimum creepage distance 7.1mm;
 Temperature: ≤65℃;
 Shell protection grade: IP55;
 Unipolar insertion force: more than 15N;
 Mechanical life: 500 times.

推荐使用电缆规格 Recommend the use of cable specification

型号 Type	推荐三股 3-core	三股四芯 3-core 4-wire	三股五芯 3-core 5-wire
15A	3x1.5mm ² 3x2.5mm ²	4x1.5mm ² 4x2.5mm ² 3x2.5mm ² +1x1.5mm ²	3x1.5mm ² 4x2.5mm ² +1x1
25A	3x4mm ² 3x6mm ²	4x2.5mm ² 4x4mm ² 3x4mm ² +1x2.5mm ²	5x2.5mm ² 5x4mm ²
60A	3x10mm ² 3x16mm ²	4x10mm ² 4x16mm ² 3x16mm ² +1x6mm ²	5x6mm ² 5x10mm ²
100A	—	4x16mm ² 4x25mm ² 3x25mm ² +1x10mm ²	5x16mm ² 5x25mm ²
150A	—	3x35mm ² +1x10mm ² 3x35mm ² +1x16mm ²	5x25mm ² 3x35mm ² +2x10mm ²
200A	—	3x50mm ² +1x15mm ² 3x50mm ² +1x25mm ²	5x50mm ² 3x55mm ² +2x16mm ²
300A	—	3x70mm ² +1x35mm ² 3x95mm ² +1x50mm ²	—

型号含义 Type meaning



主要特性 Main features

移动式插座除外形尺寸与固定式插座外形尺寸不同外其内装配尺寸与固定式插座相同。

此系列产品更能方便应用在野外移动电站与电缆及负载之间的电气连接。广泛使用在石油、化工、国防、电力和交通运输等领域，插头、插座采用铝合金外壳，接触件表面镀银和导线端接方式为压接。具有插拔快捷，接线方便，接触可靠，良好的密封性和绝缘性、防水防尘、抗虫防震、使用寿命长的特点。其符合GB3836.8-2003《爆炸性气体环境用电气设备第8部分“n”电气设备》标准。

该系列产品经国家指定的防爆电气产品质量监督检验测试中心检验合格，防爆标志为：ExnA II T4，取得防爆合格证。

Mobile socket in addition to dimensions and fixed socket size different in the same assembly dimension and fixed socket.

Electrical this series of products more convenient application in the field of mobile power station and the connection between the cable and the load. Widely used in petroleum, chemical industry, national defense, electric power and transportation and other fields, plug, socket is made of aluminum alloy shell, contact surface silver and lead terminals for crimping. With plug and quick, convenient connection, reliable electric contact, sealing and insulating, waterproof and dustproof, insect proof, long service life and good. The GB3836.8-2003 "electrical apparatus for explosive gas atmospheres Part eighth" n "electrical equipment" standard.

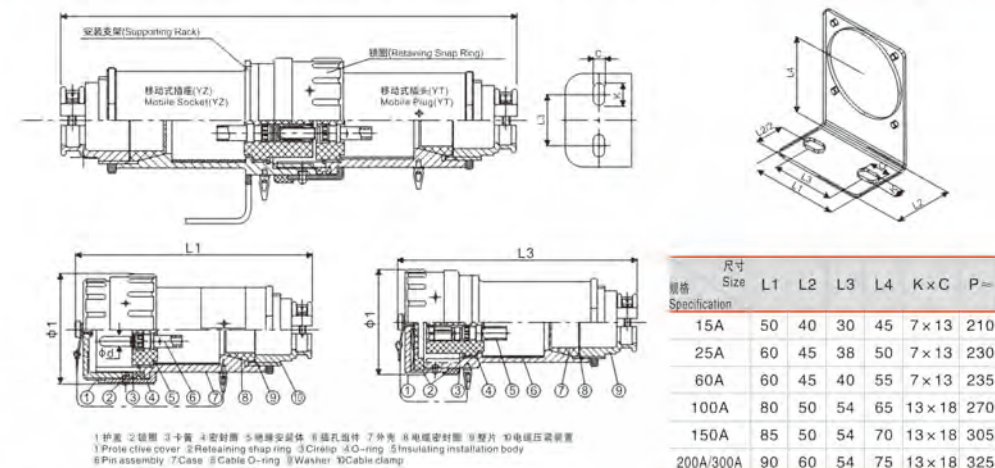
The series of products are designated by the national explosion-proof electrical products quality supervision and testing center inspection, explosion-proof symbol is: ExnA II T4, made explosion-proof certification.

移动式防爆连接器

Mobile explosion-proof connector

外形及安装尺寸 Outline and mounting dimensions

下图为户外使用的移动插座(YZ)和移动式插头(YT)的连接情况，移动式插座(YZ)可用安装支架实现可靠固定。
 The mobile socket for outdoor use (YZ) and mobile (YT) plug connection, mobile socket (YZ) can be used to realize reliable fixed mounting bracket.



插头、插座基本尺寸表

规格 Specification	尺寸 Size	L1≈	L2≈	L3≈	L4≈	D1	D2	D3	φd±0.07	φd1	φd2	P	Q±0.2
15A		130	55	132	8	φ49	φ33	φ35	13	3	4.5	210	34
25A		144	64	142	18	φ61	φ42	φ51	15.6	3.5	4.5	230	42
60A		153	72	145	22	φ64	φ48	φ51	18	5.5	4.5	235	47.5
100A		166	85	173	30	φ79	φ61	φ65	24	7	5.5	270	60
150A		177	92	188	32	φ84	φ65	φ70	27	8.5	5.5	305	64
200A		195	100	199	32	φ90	φ71	φ73.5	30	10	5.5	325	70
300A		200	100	199	42	φ90	φ71	φ73.5	34.5	12	5.5	325	70

压接工具 Crimping tool

压线范围: 10~120mm²
 Press to connect: 10~120mm²



压线范围: 1~10mm²
 Press to connect: 1~10mm²



取针器

使用说明:

在接触件安装或因某种原因损坏需从安装板上取出接触件时，使用此工具，拆卸时将工具的端头对准安装板上的孔位，然后往里推，待齿套完全吸紧后，再推动弹臂件，从而将插针(或插孔)从安装板中推出。



主要特性 Main features

该不锈钢系列连接器适用于油田、钻井移动配电房的电气连接及海洋钻井平台和海洋开发、船舶码头、石油勘探、化工等电连接。

连接方式为卡口式快速连接，端接方式为压接式。防震、防腐蚀、抗碰撞、经久耐用、操作简便等特点。

该系列电连接器符合GB3836.8-2003防爆标准，并取得防爆合格证，防爆标志ExnA II T4编号。
Electrical connection electrical the stainless steel series connectors for distribution of real oil field, drilling mobile connections and offshore drilling platforms and marine development, marine terminals, oil exploration, chemical etc..

Connection for the bayonet type fast connecting, termination method for crimping. Shock, anti-corrosion, impact resistance, durability, simple operation and etc..

This series of electric connector conforming to GB3836.8-2003 standards for explosion proof, explosion-proof and explosion-proof certification, mark ExnA II T4.

主要技术参数 Main technical parameters

环境温度: $-40^{\circ}\text{C} \sim +55^{\circ}\text{C}$;

海拔高度: ≤ 5000 米;

振动: 10-55Hz, 幅值0.75mm;

相对湿度: 温度 $40 \pm 2^{\circ}\text{C}$ 时, 90%-95%;

碰撞: 10-40次/分, 加速度 250m/s^2 ;

工作电压: 400VAC;

工作电流: A型 100A 150A 200A;

接触电阻: A型 $\leq 0.5\text{m}\Omega$;

绝缘电阻: $\geq 1000\text{m}\Omega$;

耐压: 2800V(AC)50Hz;

机械寿命: 500次。

Environment temperature: $-40^{\circ}\text{C} \sim +55^{\circ}\text{C}$;

Altitude: ≤ 5000 meters;

The amplitude of vibration: 10-55Hz, 0.75mm;

Relative humidity: temperature $40 \pm 2^{\circ}\text{C}$, 90%-95%;

Crash: 10-40 times / min, 250m/s^2 acceleration;

Working voltage: 400VAC;

Working current: A 100A 150A 200A;

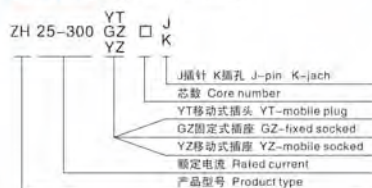
Contact resistance: A $\leq 0.5\text{m}\Omega$;

Insulation resistance: $\geq 1000\text{m}\Omega$;

Voltage: 2800V (AC) 50Hz;

Mechanical life: 500 times.

型号含义 Type meaning

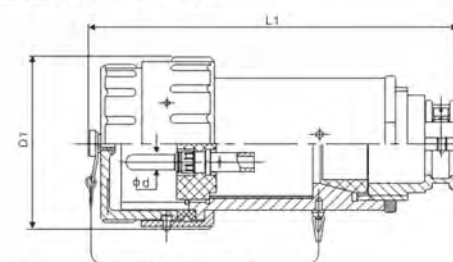
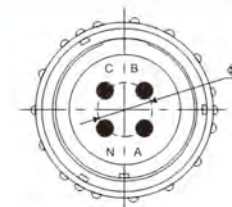


推荐使用电缆规格 Recommend the use of cable specification

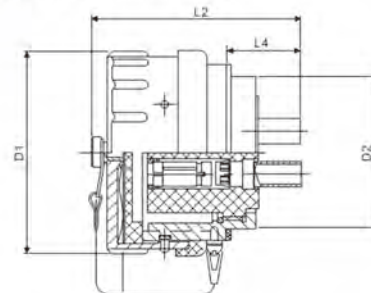
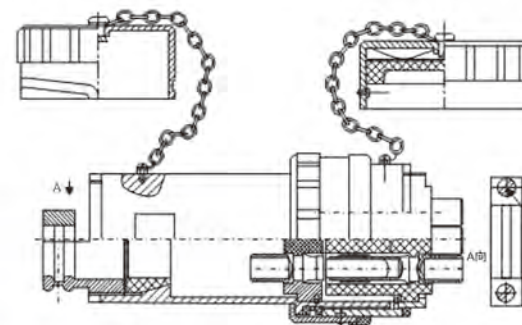
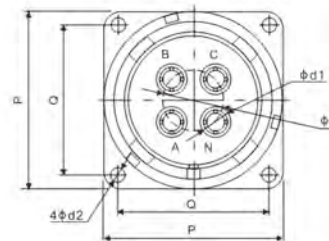
型号 Type	推荐使用电缆规格		
	单相三级	三相四级	三相五线
25A	3×4mm ² 3×6mm ²	4×2.5mm ² 4×4mm ² 3×4mm ² +1×2.5mm ²	5×2.5mm ² 5×4mm ²
60A	3×10mm ² 3×16mm ²	4×10mm ² 4×16mm ² 3×16mm ² +1×6mm ²	5×6mm ² 5×10mm ²
100A	—	4×16mm ² 4×25mm ² 3×25mm ² +1×10mm ²	5×16mm ² 5×25mm ²
150A	—	3×35mm ² +1×10mm ² 3×35mm ² +1×16mm ²	5×25mm ² 3×35mm ² +2×10mm ²
200A	—	3×50mm ² +1×15mm ² 3×50mm ² +1×25mm ²	5×50mm ² 3×35mm ² +2×16mm ²
300A	—	3×70mm ² +1×35mm ² 3×95mm ² +1×50mm ²	—

外形及安装尺寸 Outline and mounting dimensions

a. 移动式插头(YT) Mobile plug(YT)

去盖
After the cover is removed

b. 固定式插座(GZ) Fixed socket(GZ)

去盖
After the cover is removed

插头、插座基本尺寸表

规格 Specification	尺寸 Size	L1=	L2=	L3=	L4=	D1	D2	D3	φd±0.07	φd1	φd2	P	Q±0.2
25A		144	64	142	18	φ61	φ42	φ51	15.6	3.5	4.5	51	42
60A		153	72	145	22	φ64	φ48	φ51	18	5.5	4.5	56	47.5
100A		166	85	173	30	φ79	φ61	φ65	24	7	5.5	70	60
150A		177	92	188	32	φ84	φ65	φ70	27	8.5	5.5	75	64
200A		195	100	199	32	φ90	φ71	φ73.5	30	10	5.5	80	70



主要技术参数 Main technical parameters

环境温度: $-40^{\circ}\text{C} \sim +65^{\circ}\text{C}$;
 相对湿度: $+40^{\circ}\text{C}$ 达 93%;
 工作电压: 250VAC~500VAC;
 工作电流: 15A 25A 60A 100A 150A 200A 300A
 振动: 10~2000Hz、150M/S²;
 冲击: 200m/s²;
 绝缘电阻: $\geq 1000\text{m}\Omega$
 耐压: 2000V(AC)50Hz有效值;
 防水: 在5mm/分降水强度下, 其内无渗水;
 机械寿命: 500次。

Environment temperature: $-40^{\circ}\text{C} \sim +65^{\circ}\text{C}$;
 Relative humidity: $+40^{\circ}\text{C}$ to 93%;
 Working voltage: 250VAC~500VAC;
 Working current: 15A 25A 60A 100A 150A 200A 300A
 Vibration: 10~2000Hz, 150M/S²;
 Impact: 200m/s²;
 Insulation resistance: $\geq 1000\text{m}\Omega$
 Voltage: 2000V (AC) 50Hz rms;
 Waterproof: In 5mm/ precipitation intensity,
 no water seepage in the;
 Mechanical life: 500 times.

主要特性 Main features

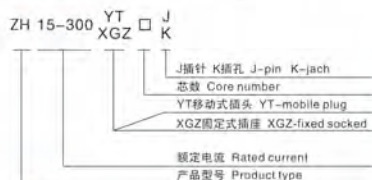
斜插式防爆插座是移动房外电缆插头和插座连接时成 40° 夹角而设计的, 弯接头上装固定式插座(GZ)和户外移动电缆插头(YZ)进行连接, 弯接头和壳体安装面有防水密封圈。弯接头使用安装在移动房墙壁上开一大于电缆外径的穿线孔并选择表中相应的安装孔加工即可。

斜插防水弯接头采用铝合金外壳, 表面喷塑, 具有结构牢固、防尘防水、美观大方、操作方便、安全可靠等特点。

Oblique insertion type waterproof joints is mobile housing and cable plug and socket connections into a 40° degree angle and design, bending joint is provided with a fixing type socket (GZ) and outdoor mobile (YZ) cable plug connection, a sealing ring body mounting surface bending joint and real. Bent connector installation in the mobile room wall is provided with a threading hole is larger than the outer diameter of cable and choose the installation hole machining can be corresponding to the table.

Oblique inserting waterproof joints using aluminum alloy shell, plastic sprayed surface, has the characteristics of firm structure, dustproof and waterproof, beautiful appearance, convenient operation, safety and reliability etc..

型号含义 Type meaning

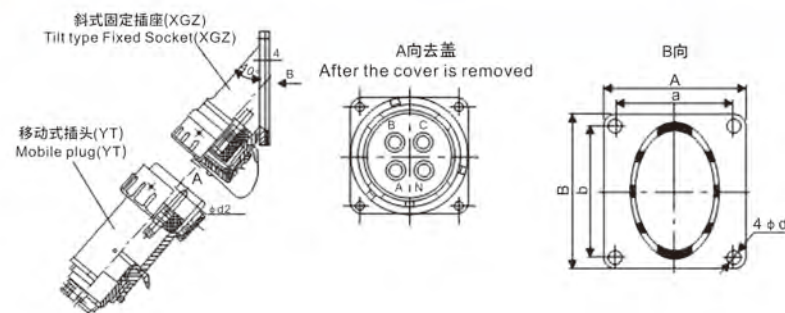


绝缘座



插针、插孔 Pin jach

外形及安装尺寸 Outline and mounting dimensions



插头、插座基本尺寸表

型号 Type	A	a ± 0.2	B	b ± 0.2	φ d	墙体过线孔(尺寸供参考) Cable-crossing hole of the wall(the size for reference)
X15GZ	65	50	80	65	φ 7	φ 45
X25GZ	80	65	95	80	φ 7	φ 50
X60GZ	85	70	100	85	φ 9	φ 55
X100GZ	100	85	120	105	φ 9	φ 65
X150GZ	105	90	130	115	φ 9	φ 70
X200GZ	110	95	140	125	φ 9	φ 75

推荐使用电缆规格 Recommend the use of cable specification

型号 Type	推荐使用电缆规格		
	单相三极	三相四极	三相五极
15A	$3 \times 1.5\text{mm}^2$ $3 \times 2.5\text{mm}^2$	$4 \times 1.5\text{mm}^2$ $4 \times 2.5\text{mm}^2$ $3 \times 2.5\text{mm}^2 + 1 \times 1.5\text{mm}^2$	$3 \times 1.5\text{mm}^2$ $4 \times 2.5\text{mm}^2 + 1 \times 1 \times 1$
25A	$3 \times 4\text{mm}^2$ $3 \times 6\text{mm}^2$	$4 \times 2.5\text{mm}^2$ $4 \times 4\text{mm}^2$ $3 \times 4\text{mm}^2 + 1 \times 2.5\text{mm}^2$	$5 \times 2.5\text{mm}^2$ $5 \times 4\text{mm}^2$
60A	$3 \times 10\text{mm}^2$ $3 \times 16\text{mm}^2$	$4 \times 10\text{mm}^2$ $4 \times 16\text{mm}^2$ $3 \times 16\text{mm}^2 + 1 \times 6\text{mm}^2$	$5 \times 6\text{mm}^2$ $5 \times 10\text{mm}^2$
100A	—	$4 \times 16\text{mm}^2$ $4 \times 25\text{mm}^2$ $3 \times 25\text{mm}^2 + 1 \times 10\text{mm}^2$	$5 \times 16\text{mm}^2$ $5 \times 25\text{mm}^2$
150A	—	$3 \times 35\text{mm}^2 + 1 \times 10\text{mm}^2$ $3 \times 35\text{mm}^2 + 1 \times 16\text{mm}^2$	$5 \times 25\text{mm}^2$ $3 \times 35\text{mm}^2 + 2 \times 10\text{mm}^2$
200A	—	$3 \times 50\text{mm}^2 + 1 \times 15\text{mm}^2$ $3 \times 50\text{mm}^2 + 1 \times 25\text{mm}^2$	$5 \times 50\text{mm}^2$ $3 \times 35\text{mm}^2 + 2 \times 16\text{mm}^2$
300A	—	$3 \times 70\text{mm}^2 + 1 \times 35\text{mm}^2$ $3 \times 95\text{mm}^2 + 1 \times 50\text{mm}^2$	—



芯数排列及技术特性表 Contact arrangement and spec

XP20芯数 Number of cores	2芯/Core	3芯/Core	4芯/Core	5芯/Core	7芯/Core
插针绝缘体正面图 Male contact face view					
额定电流 A Rated current (A)	10A	25A	25A	10A	10A
接触件直径 Contact diameter	Φ1.5 × 2	Φ2.5 × 2	Φ2.5 × 3	Φ1.5 × 3	Φ1.5 × 1 Φ2.5 × 2
插头型号 Plug type	P20K1Q	P20K2Q	P20K3Q	P20K4Q	P20K5Q
插座型号 Socket type	P20J1A	P20J2A	P20J3A	P20J4A	P20J5A

XP28

XP28芯数 Number of cores	2芯/Core	4芯/Core	5芯/Core	7芯/Core
插针绝缘体正面图 Male contact face view				
额定电流 A Rated current (A)	50A	10A	10A	10A
接触件直径 Contact diameter	Φ3.5 × 2	Φ1.5 × 4	Φ1.5 × 2	Φ1.5 × 2
插头型号 Plug type	P28K1Q	P28K2Q	P28K3Q	P28K4Q
插座型号 Socket type	P28J1A	P28J2A	P28J3A	P28J4A

XP32

XP32芯数 Number of cores	6芯/Core	10芯/Core	12芯/Core	14芯/Core
插针绝缘体正面图 Male contact face view				
额定电流 A Rated current (A)	25A	10A	10A	10A
接触件直径 Contact diameter	Φ2.5 × 8	Φ1.5 × 8	Φ1.5 × 7	Φ1.5 × 4
插头型号 Plug type	P32K2Q	P32K7Q	P32K8Q	P32K9Q
插座型号 Socket type	P32J2A	P32J7A	P32J8A	P32J9A

XP40

XP40芯数 Number of cores	3芯/Core	9芯/Core	14芯/Core	16芯/Core
插针绝缘体正面图 Male contact face view				
额定电流 A Rated current (A)	100A	25A, 50A	10A, 25A	10A
接触件直径 Contact diameter	Φ5.5 × 3	Φ2.5 × 5	Φ1.5 × 8	Φ1.5 × 12
插头型号 Plug type	P40K1Q	P40K2Q	P40K3Q	P40K4Q
插座型号 Socket type	P40J1A	P40J2A	P40J3A	P40J4A



芯数排列及技术特性表 Contact arrangement and spec

XP48芯数 Number of cores	9芯/Core	20芯/Core	26芯/Core
插针绝缘体正面图 Male contact face view			
额定电流 A Rated current (A)	10A, 25A	10A, 25A	10A
接触件直径 Contact diameter	Φ1.5 × 5	Φ1.5 × 14	Φ1.5 × 26
插头型号 Plug type	P48K4Q	P48K5Q	P48K6Q
插座型号 Socket type	P48J4A	P48J5A	P48J6A

XP55

XP55芯数 Number of cores	30芯/Core	35芯/Core
插针绝缘体正面图 Male contact face view		
额定电流 A Rated current (A)	10A, 25A	10A
接触件直径 Contact diameter	Φ1.5 × 22	Φ1.5 × 30
插头型号 Plug type	P55K3Q	P55K4Q
插座型号 Socket type	P55J3A	P55J4A

XP60

XP60芯数 Number of cores	45芯/Core	47芯/Core
插针绝缘体正面图 Male contact face view		
额定电流 A Rated current (A)	10A, 25A	10A, 25A
接触件直径 Contact diameter	Φ1.5 × 35	Φ1.5 × 25
插头型号 Plug type	P60K2Q	P60K3Q
插座型号 Socket type	P60J2A	P60J3A

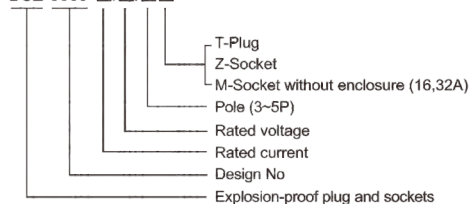


1 Application and Features

- Explosion protection
 - China Ex(GB)
- Application in hazardous area
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
- Increased safety type enclosure, four types of enclosure, three kinds of current 16A, 32A, 63A, three kinds of pole number 3P, 4P, 5P.
- Reliable interlocking function, the plug can be pulled out only after the power switch is off, and the power switch can be on only after the plug is inserted into the cavity.
- Contact performance of the plug is reliable. The plug sleeve in the socket has an elastic shutter spring sleeve, which not only makes the plug self-cleaning but also ensures small contact resistance and low-temperature rise. At the same time, it also reduces the required insertion and extraction force to the minimum. The design of shutter spring sleeve ensures the normal function of plug and socket and permanent self-cleaning.
- The product has timing function, different working voltages set different color, to prevent wrong insertion by mistake.
- The socket is equipped with a padlock, which can be locked when not in use, and the socket cannot be opened.

2 Nomenclature

BCZ 8060-□/□/□/□



3 Technical Parameter

Ex marking	Gas	16A, 32A	Ex d e IIC T6 Gb	
		63A	Ex d e IIC T5 Gb	
	Dust	16A, 32A	Ex tD A21 IP65 T80°C	
		63A	Ex tD A21 IP66 T80°C	
Conformity to standards		GB3836.1, GB3836.2, GB3836.3, GB12476.1, GB12476.5		
Enclosure material		Socket enclosure: GRP, resistant to 7J impact, antistatic; Plug enclosure: Nylon (PA66)		
Exposed fastener		Stainless steel		
Rated voltage	16A		16A, 32A, 63A	
	110~130V AC		200~250V AC, 380~415V AC, 480~500V AC, 600~690V AC	
Rated current		16A, 32A, 63A		
Degree of protection		IP66		
Ambient temperature		-20°C~+40°C, -40°C~+40°C, -40°C~+55°C		
Cable entries	Socket inlet thread Outer diameter of socket cable (mm) Outer diameter of plug cable (mm) Wire diameter Weight (kg)	16A	32A	63A
		2-M25X1.5	2-M40X1.5	2-M50X1.5
		Φ8~Φ14	Φ15~Φ26	Φ19~Φ36
		16A/3: Φ7~Φ16 16A/4(5): Φ9~Φ19	Φ12~Φ28	Φ19~Φ28
		2.5~4mm ²	6mm ²	16mm ²
		1.9	2.8	9.9

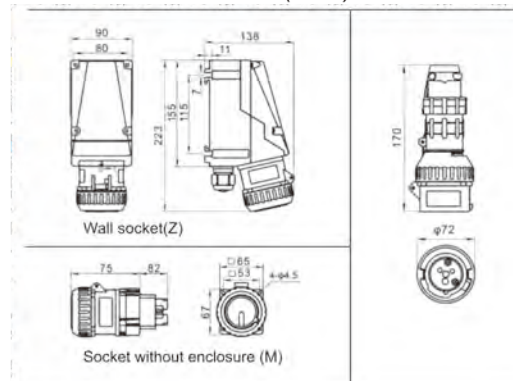


4 Outline and Installation Dimension, Wiring Diagram (Dimensions in mm)

Product Version (16A/3P)

BCZ8060-16/3	Clock h and voltage	
	h4	110~130V 1P+N+PE Yellow
	h6	200~250V 1P+N+PE Blue
Wiring Diagram (16A/3P)		
1P+N+PE		

Outline and Installation Dimension (16A/3P)



Product Version (16A/4P)

BCZ8060-16/4	Clock h and voltage	
	h9	220~250V 3P+PE Blue
	h6	380~415V 3P+PE Red
	h7	480~500V 3P+PE Black
	h5	680~690V 3P+PE Black

Outline and Installation Dimension (16A/4(5)P)

Pole	ΦD(mm)
3P+⊕	76.5
3P+N+⊕	84

Wall socket (Z)

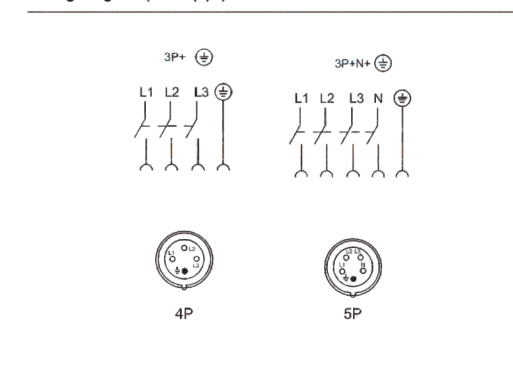
Plug (T)

Socket without enclosure (M)

Product Version (16A/5P)

BCZ8060-16/5	Clock h and voltage	
	h9	220~250V 3P+N+PE Blue
	h6	380~415V 3P+N+PE Red
	h7	480~500V 3P+N+PE Black
	h5	680~690V 3P+N+PE Black

Wiring Diagram (16A/4(5)P)

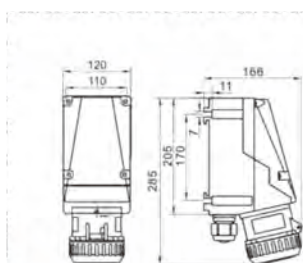


Product Version (32A/4P)

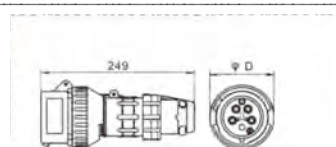
BCZ8060-32/4	Clock h and voltage	BCZ8060-32/5	Clock h and voltage
	h9 220~250V 3P+PE Blue		h9 220~250V 3P+N+PE Blue
	h6 380~415V 3P+PE Red		h6 380~415V 3P+N+PE Red
	h7 480~500V 3P+PE Black		h7 480~500V 3P+N+PE Black
	h5 680~690V 3P+PE Black		h5 680~690V 3P+N+PE Black

Outline and Installation Dimension (16A/4(5)P)

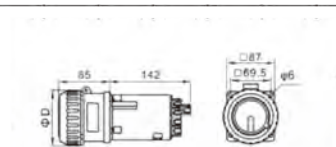
Pole	ΦD(mm)
3P+⊕	95
3P+N+⊕	100



Wall socket (Z)



Plug (T)



Socket without enclosure (M)

Wiring Diagram (32A/4(5)P)

3P+⊕



4P

3P+N+⊕



5P

Product Version (63A/4P)

BCZ8060-63/4	Clock h and voltage
	h9 220~250V 3P+PE Blue
	h6 380~415V 3P+PE Red
	h7 480~500V 3P+PE Black
	h5 680~690V 3P+PE Black

Wiring Diagram (63A/4(5)P)

3P+⊕



4P

3P+N+⊕

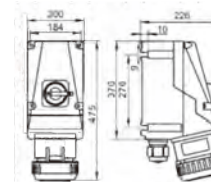


5P

Product Version (63A/5P)

BCZ8060-63/5	Clock h and voltage
	h9 220~250V 3P+N+PE Blue
	h6 380~415V 3P+N+PE Red
	h7 480~500V 3P+N+PE Black
	h5 680~690V 3P+N+PE Black

Outline and Installation Dimension (63A/4(5)P)



Socket (Z)



Plug (T)

TESTING & QUALITY CONTROL

测试及质量保证



耐压测试 WITHSTAND VOLTAGE TEST

耐压测试是指对各种电器装置、绝缘材料和绝缘结构的耐受电压能力进行的测试。在不破坏绝缘材料性能的情况下，对绝缘材料或绝缘结构施加高电压的过程称为耐压试验。

耐压测试主要目的是检查绝缘耐受工作电压或过电压的能力，进而检验产品设备的绝缘性能是否符合安全标准。

Withstand voltage test refers to all kinds of electric equipment, insulation materials and the structure of the insulation resistance. By testing voltage capability. Under the condition of without destroying insulation performance, right Insulation material or the process of applying high voltage insulation structure called the withstand voltage test.

Main purpose of withstand voltage test is to check the insulation resistance can work voltage or over voltage Force, and then test equipment insulation performance of the products conform to safety standards.

插拔力测试 INSERTION FORCE TEST

在设计产品时，我们会首先确定一个合理的温升范围，在这个范围内我们尽可能使产品插拔时的手感最好。

插拔力试验的目的是将感性的手感程度转化为理性的数据，以便供产品设计、改进、鉴定及出厂检验用。

At product design, first we define a logical temperature rise range, and then we do best to make the product with a best insertion and extraction handle within the range.

The purpose of insertion and extraction test is to convert emotional handle into rational data for the in product design, improvement, evaluation and delivery inspection.



校验台测试 CHECK TEST

通过校验台温升测试满足了产品长期在额定电流下使用的发热指标。以便使产品有更优、更佳的电气性能。

校验台温升检验对产品在日常使用的过程中达到更稳定性和安全性。

Through 4 temperature rise test can meet the product at the rated power flow under the use for a long time The heat index. In order to make the products better, better electrical performance.

Calibration sets temperature rise test of product reach more stability in the course of everyday use And security.



直流低电阻测试 RESISTANCE TEST

直流低电阻测试采用四端测量法专门用于测量低直流电阻。

从而有效的测量出我们各种接插件接触电阻标准数据，使接插件在使用工作中达到良好稳定性能。

Low dc resistance test specially four-terminal measurement method Used to measure low dc resistance.

So effective measure that we contact with all kinds of connectors Resistance standard data, make the connectors in the use of work achieved Good and stable performance.

雨淋测试 RAINFALL TEST

雨淋试验的目的是确定设备在经受各种液体侵蚀时，其外壳防止液体渗透的能力和在遭到液体侵蚀时或之后的工作稳定性和可靠性。

The purpose of rainfall test is to confirm the reverse osmosis capacity of the housing and its operation stability and reliability when or after the equipment undergoes liquid erosion.



橡胶硬度测试 RUBBER HARDNESS TEST



绝缘测试 INSULATION TEST

