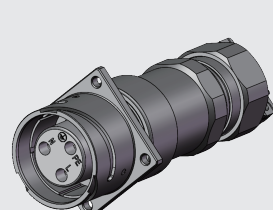
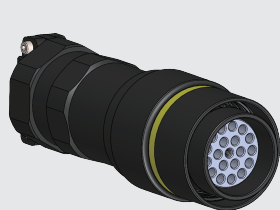


EXPLOSION-PROOF SERIES CONNECTOR

Series product description

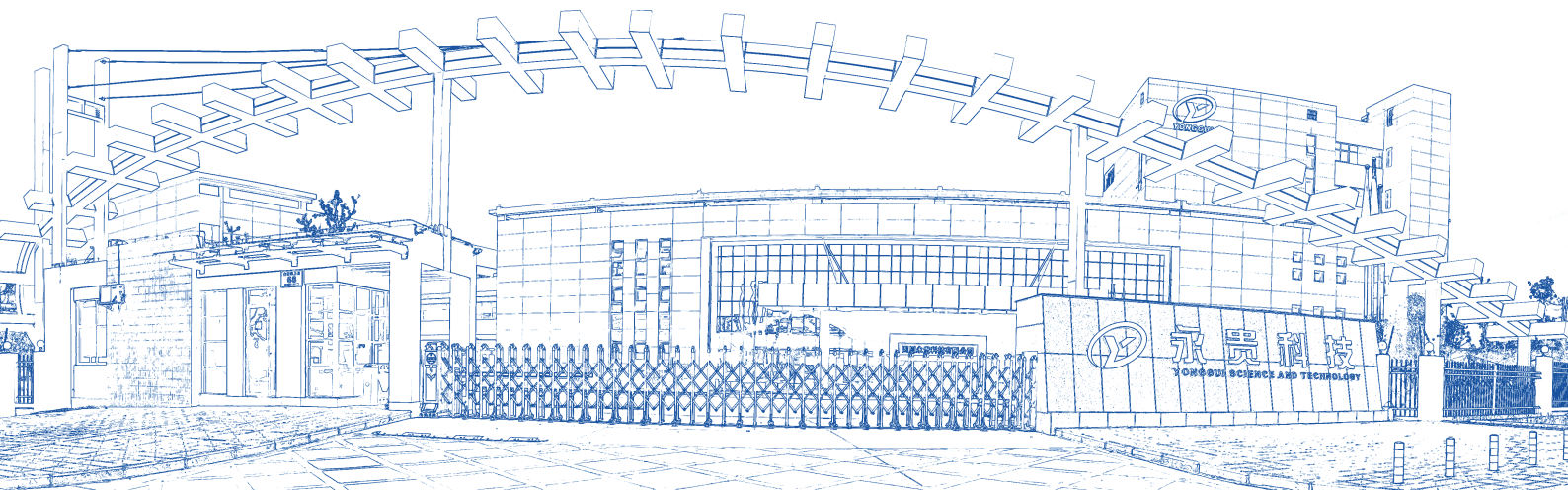


SICHUAN YONGGUI SCIENCE AND TECHNOLOGY CO., LTD

Focus on customers to maximize value

CORPORATE VISION

World class interconnect supplier



COMPANY PROFILE

Zhejiang Yonggui Electric Co., Ltd. is a national high-tech enterprise focusing on the research and development, manufacturing, sales and technical support of various electrical connectors, connector components and precision intelligent products. It was listed on the Shenzhen Stock Exchange in 2012. The company's rail transit connector production and sales account for the largest market share of domestic rail transit connectors, and it supplies China CRRC Corporation, 18 railway bureaus and cities with rail transit; Yonggui has entered the supply chain system of brands such as Huawei, Siemens (China), Alstom, Mitsubishi, Hitachi, Toyo, GE (China), Chery, BYD, JAC, and Yutong. The company is headquartered in Tiantai, Zhejiang, and currently has 3 wholly-owned subsidiaries and 4 holding subsidiaries. It has production bases and R&D centers in Zhejiang headquarters, Mianyang, Sichuan, Beijing, Shenzhen, Jiangsu, and Chongqing. The company has also established industry-university-research cooperation with many large and famous institutions such as Tsinghua University, Zhejiang University, and the China Academy of Railway Sciences. The company's products have obtained 449 national patent authorizations and have passed ISO9001 certification, ISO/TS22163 certification, CRCC certification, ETL certification, UL and other quality system and product quality certifications.

Sichuan Yonggui Technology Co., Ltd. was established in March 2008 with a registered capital of 100 million yuan and a total asset value of more than 1.4 billion yuan. It is a wholly-owned subsidiary of Zhejiang Yonggui Electric Co., Ltd. (stock code: 300351).

The company covers an area of more than 200 acres, with a plant and office area of more than 200,000 square meters; it has more than 5,500 sets of various R&D and production equipment. It is a national high-tech enterprise, a national intellectual property demonstration enterprise, a national specialized and new small giant enterprise, and a national green factory. It has independent core technology and can provide reliable connector series products and technical services for the national key equipment industry, and a professional product company that provides overall solutions for interconnection systems.



BUSINESS FIELD



Rail transit: high-speed rail, subway, locomotive, maglev, etc.
Industry: wind power, solar energy, industrial equipment, medical, etc.



Defense: aerospace, electronics, ships, etc.
Special: explosion-proof, deepwater, nuclear power, shore power, aircraft, etc.



Vehicle: new energy passenger cars, commercial vehicles, special vehicles, etc.
Charging: charging piles, household charging, liquid-cooled high-power charging piles, battery replacement, etc.



Communications: communication base stations, databases, module power supplies, etc.
Energy storage: automobiles and homes, power systems, industrial energy storage, etc.

Directory

PRODUCT INTRODUCTION

Product Introduction	P1
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INCREASED SAFETY SERIES CONNECTOR

Exploded View	P2
Type Selection ConfigurationTable	P3
Technical Parameter	P3
Model Definition	P4
Arrangement of Contacts	P4
Overall Dimensions of Plug	P9
Overall Dimensions of Square Plate Mobile Socket	P13
Overall Dimensions of Panel Mounting Socket	P17

EXPLOSION-PROOF SERIES CONNECTOR

Exploded View	P21
Type Selection Configuration Table	P22
Technical Parameter	P22
Model Definition	P23
Arrangement of Contacts	P23
Overall Dimensions of Plug	P27
Overall Dimensions of Square Plate Mobile Socket	P32
Outline Dimensions of Explosion-proof Box Socket	P36

CONTACT SPECIFICATION AND MATCHING CONDUCTOR REQUIREMENTS

Contact specification and matching conductor requirements(Purchase separately)	P40
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MOUNT

APPENDIX I

APPENDIX II

PRODUCT INTRODUCTION

Explosion-proof connector is an electrical connector used in the environment with flammable and explosive gases and dust. The connector shell is made of aluminum alloy and stainless steel, which can meet the long-term use in indoor and outdoor severe environment, and has the characteristics of high and low temperature resistance, vibration resistance, tensile resistance, impact resistance, etc. Explosion-proof connectors are divided into two series: increased safety and flame-proof according to explosion-proof form:

● Increased Safety Exe series

● Product features

● See page for details



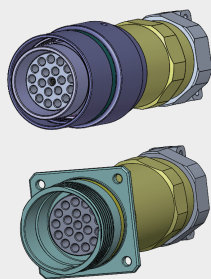
- For Zone 2 explosive gas atmosphere with explosion protection requirements, Zone 21 explosive dust atmosphere
- Explosion-proof mark: ExeIICT4Gc, ExtbIIICT130 °C Db (- 55 °C ≤ Ta<60 °C)
- Domestic explosion-proof certificate, 3C certification, IECEx certification, ATEX certification
- Housing numbers, 38 contact arrangements
- Stainless steel and aluminum alloy housings
- Stainless steel, aluminum alloy nickel plated, shielded
- Rated voltage: 24V~1000V
- Rated current: 5~1000A

See P02-P20 for details

● Explosion-proof Exd series

● Product features

● See page for details



- For Zone 1 explosive gas atmosphere with explosion protection requirements, Zone 21 dust environment
- Explosion-proof mark: Ex db IIC T4 Gb, Ex tb III C T130 °C Db (- 55 °C ≤ Ta ≤ 60 °C)
- Domestic explosion-proof certificate, 3C certification, IECEx certification, ATEX certification
- Housing numbers, 34 contact arrangements
- Stainless steel and aluminum alloy housings
- Stainless Steel Accessible Shield
- Rated voltage: 60V~1000V
- Rated current: 1~1000A

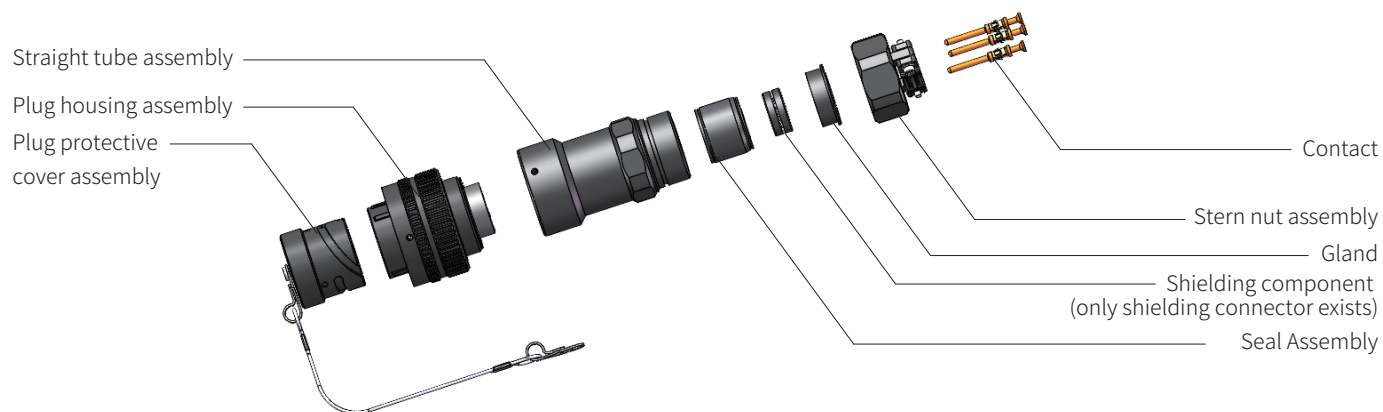
See P21-P39 for details

2 INCREASED SAFETY SERIES CONNECTOR

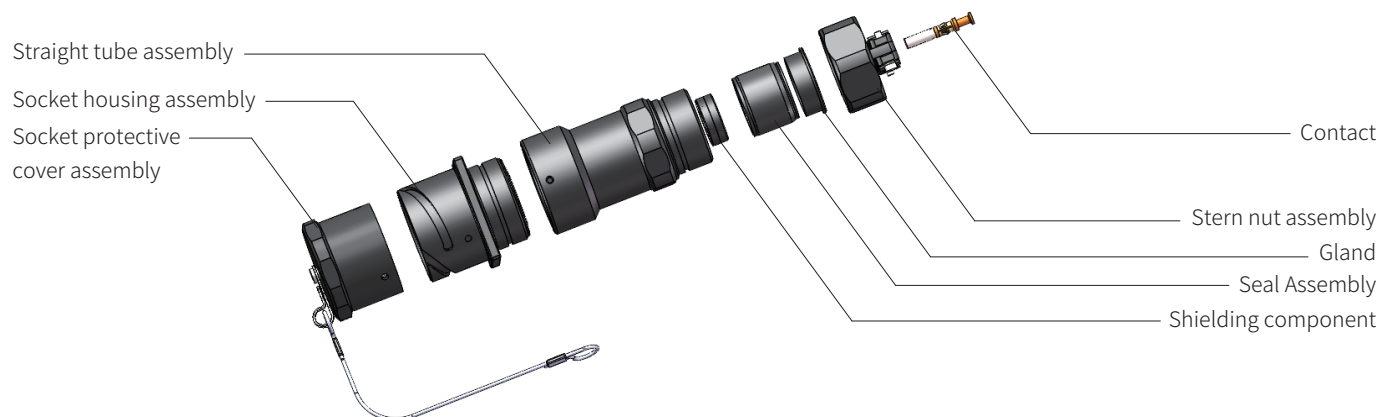
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EXPLODED VIEW

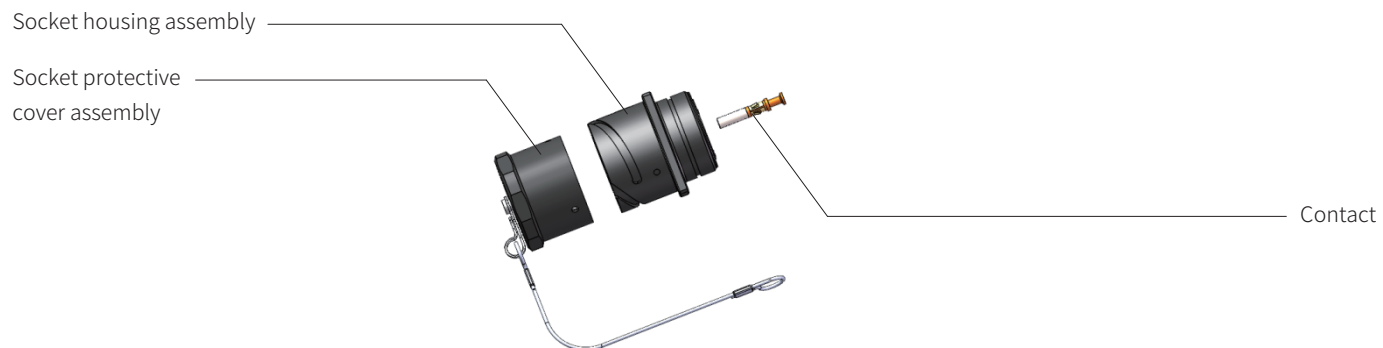
Exploded view of plug



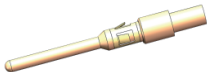
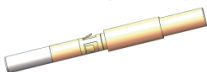
Exploded view of square plate mobile socket



Exploded view of panel mounted socket



Type selection configuration table

Optional material	Plug ①	Square platemobile socket ②	Panel mounted socket ③	Contact ④
Schematic diagram				 Pin assembly (male pin)  Jack assembly (female pin)
Model selection Recommended configuration	Scheme 1: ①+②+④ (applicable scenario: direct connection of cables) Scheme 2: ①+③+④ (applicable scenario: external power supply or signal access of explosion-proof equipment)			
Selective attention	- The connector is divided into plug and socket. When the plug is configured with female pin, the socket shall be configured with male pin. When the plug is configured with male pin, the socket shall be configured with female pin - Refer to (P09~P20 connector outline and installation dimensions) for specific structure of connector - See [P40~P47 Contact specifications and matching lead requirements (purchased separately)] for contact selection			

Technical Parameter

Explosion-proof parameters

Explosion proof sign	ExecICT4Gc、ExtbICT130°C Db(-55°C≤Ta<60°C)
Comply with standards	Comply with GB/T3836.1, GB/T3836.3 and GB/T3836.31, and corresponding requirements specified in equivalent standards IEC60079-0, EN60079-0, IEC60079-7, EN60079-7, IEC60079-31 and EN60079-31

Electrical parameters

Rated current	See contact arrangement, P04~P08
Rated voltage	See contact arrangement, P04~P08
Withstand voltage (DC or 50HzAC effective value)	See contact arrangement, P04~P08
Insulation resistance	5000MΩ

mechanical parameters

Impact resistance	7J
Mechanical life	750 times

Environmental parameters

Ambient temperature	-55°C~+60°C
Protection grade	IP66/IP68 (1m, 1h)

Material and surface treatment

Casing	Aluminum alloy nickel plating (96h for neutral salt spray)
	Aluminum alloy oxide black (200h for neutral salt spray)
	Passivation of stainless steel (1000h for neutral salt spray)
Contact	Copper alloy gold/silver plating

2 INCREASED SAFETY SERIES CONNECTOR

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Model definition

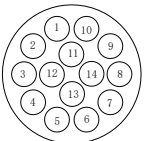
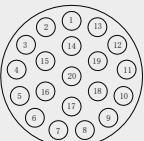
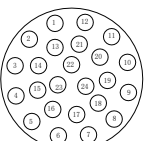
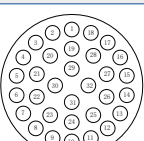
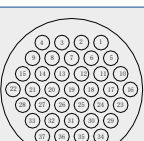
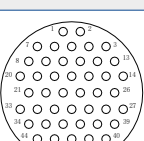
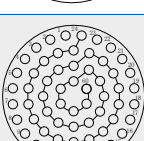
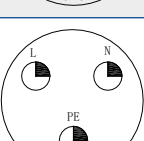
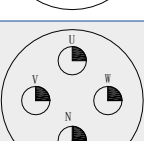
Connector Model Definition

Manufacturer	YGC	Exe	13	A	12	03	P	05
Increased safety explosion-proof products								
13—Plug								
15—Square plate mobile socket								
17—Panel mounted socket								
A—Aluminum alloy oxidation								
F— Aluminum alloy nickel plating								
S—Stainless Steel								
Shell code (P09~P20)								
Contact arrangement (P04~P08)								
P: pin S: socket								
Shell No. Adapter cable code (P09~P20)								

Contact arrangement (viewing from pin insulator end)

Φ1.6 Φ2 Φ2.4 Φ3 Φ3.2 Φ3.6 Φ5 Φ5.75 Φ8 Φ9 Φ10 Φ12 Φ14 Φ18 Φ23

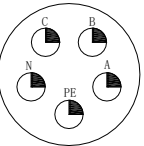
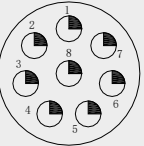
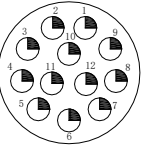
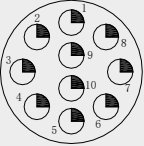
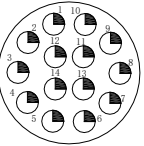
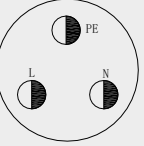
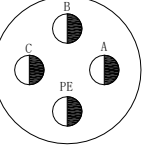
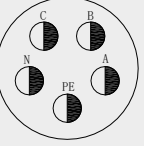
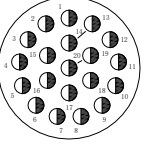
Type spectrum	Arrangement of contacts	Number of stitches	Rated current	Rated voltage	Withstanding voltage	Order No. of adapting contact
	06-03	3×Φ1.6	10A	60V	500V AC 1min	Pin assembly: 0.14-0.37mm ² : 115210010801 0.5mm ² : 115210010802 0.75-1.0mm ² : 115210010804 1.5mm ² : 115210010805 2.5mm ² : 115210010901 Socket assembly: 0.14-0.37mm ² : 115310016101 0.5mm ² : 115310016102 0.75-1.0mm ² : 115310016104 1.5mm ² : 115310016105 2.5mm ² : 115310016106
	06-04	4×Φ1.6	10A	60V	500V AC 1min	
	06-05	5×Φ1.6	10A	60V	500V AC 1min	
	08-08	8×Φ1.6	5A	24V	500V AC 1min	
	08-10	10×Φ1.6	10A	60V	500V AC 1min	

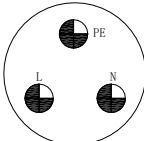
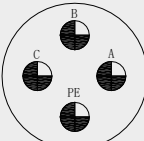
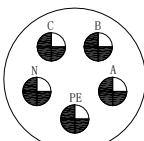
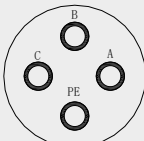
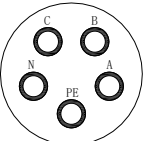
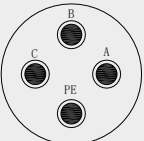
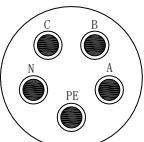
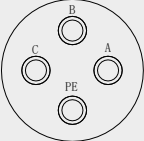
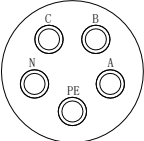
Type spectrum	Arrangement of contacts	Number of stitches	Rated current	Rated voltage	Withstanding voltage	Order No. of adapting contact
	08-14	14×Φ1.6	10A	60V	500V AC 1min	Pin assembly: 0.14-0.37mm ² : 115210010801 0.5mm ² : 115210010802 0.75-1.0mm ² : 115210010804 1.5mm ² : 115210010805 2.5mm ² : 115210010901 Socket assembly: 0.14-0.37mm ² : 115310016101 0.5mm ² : 115310016102 0.75-1.0mm ² : 115310016104 1.5mm ² : 115310016105 2.5mm ² : 115310016106
	10-20	20×Φ1.6	10A	60V	500V AC 1min	
	12-24	24×Φ1.6	10A	60V	500V AC 1min	
	14-27	27×Φ1.6	10A	60V	500V AC 1min	
	14-32	32×Φ1.6	10A	60V	500V AC 1min	
	14-37	37×Φ1.6	10A	60V	500V AC 1min	
	16-46	46×Φ1.6	6A	60V	500V AC 1min	
	20-60	60×Φ1.6	6A	60V	500V AC 1min	
	10-03	3×Φ2	16A	630V	2500V AC 1min	Pin assembly: 1.5mm ² : 115210005201 2.5mm ² : 115210005202 4.5mm ² : 115210005203 Socket assembly: 1.5mm ² : 115310005401 2.5mm ² : 115310005402 4.5mm ² : 115310005403
	10-04	4×Φ2	16A	630V	2500V AC 1min	

2 INCREASED SAFETY SERIES CONNECTOR

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 $\Phi 1.6$
 $\Phi 2$
 $\Phi 2.4$
 $\Phi 3$
 $\Phi 3.2$
 $\Phi 3.6$
 $\Phi 5$
 $\Phi 5.75$
 $\Phi 8$
 $\Phi 9$
 $\Phi 10$
 $\Phi 12$
 $\Phi 14$
 $\Phi 18$
 $\Phi 23$

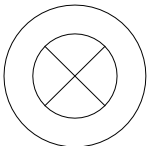
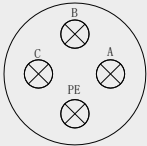
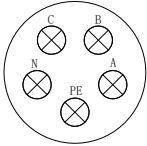
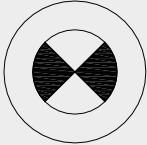
Type spectrum	Arrangement of contacts	Number of stitches	Rated current	Rated voltage	Withstanding voltage	Order No. of adapting contact
	10-05	$5 \times \Phi 2$	16A	630V	2500V AC 1min	Pin assembly: 1.5mm ² : 115210005201 2.5mm ² : 115210005202 4.5mm ² : 115210005203 Socket assembly: 1.5mm ² : 115310005401 2.5mm ² : 115310005402 4.5mm ² : 115310005403
	12-08	$8 \times \Phi 2$	16A	400V	1500V AC 1min	
	14-12	$12 \times \Phi 2$	16A	400V	1500V AC 1min	
	16-10	$10 \times \Phi 2$	16A	630V	2500V AC 1min	
	16-14	$14 \times \Phi 2$	16A	630V	2500V AC 1min	
	12-03	$3 \times \Phi 3$	32A	630V	2500V AC 1min	Pin assembly: 1.5mm ² : 115210005304 2.5mm ² : 115210005301 4mm ² : 115210005302 6mm ² : 115210005303 Socket assembly: 1.5mm ² : 115310006104 2.5mm ² : 115310006101 4mm ² : 115310006102 6mm ² : 115310006103
	12-04	$4 \times \Phi 3$	32A	630V	2500V AC 1min	
	12-05	$5 \times \Phi 3$	32A	630V	2500V AC 1min	
	20-20	$20 \times \Phi 3$	25A	630V	2500V AC 1min	

Type spectrum	Arrangement of contacts	Number of stitches	Rated current	Rated voltage	Withstanding voltage	Order No. of adapting contact
	14-03	3×Φ5	63A	630V	2500V AC 1min	Pin assembly: 4mm ² : 115210004304 6mm ² : 115210004301 10mm ² : 115210004302 16mm ² : 115210004303 Socket assembly: 4mm ² : 115310006201 6mm ² : 115310006202 10mm ² : 115310006203 16mm ² : 115310006204
	14-04	4×Φ5	63A	630V	2500V AC 1min	
	14-05	5×Φ5	63A	630V	2500V AC 1min	
	16-04	4×Φ5.75	100A	630V	2500V AC 1min	Pin assembly: 6.0mm ² : 113020100207 10mm ² : 113020100195 16mm ² : 113020100328 25mm ² : 113020100196 Socket assembly: 6.0mm ² : 113020600315 10mm ² : 113020600303 16mm ² : 113020600467 25mm ² : 113020600304
	16-05	5×Φ5.75	100A	630V	2500V AC 1min	
	20-04	4×Φ8	150A	630V	2500V AC 1min	Pin assembly: 16mm ² : 115210004404 25mm ² : 115210004401 35mm ² : 115210004402 50mm ² : 115210004403 Socket assembly: 16mm ² : 115310006402 25mm ² : 115310006403 35mm ² : 115310006404 50mm ² : 115310006405
	20-05	5×Φ8	150A	630V	2500V AC 1min	
	20-04A	4×Φ10	200A	630V	2500V AC 1min	Pin assembly: 50mm ² : 115210005501 70mm ² : 115210005502 Socket assembly: 25mm ² : 115310007102 35mm ² : 115310007105 50mm ² : 115310007103 70mm ² : 115310007104
	20-05A	5×Φ10	200A	630V	2500V AC 1min	

2 INCREASED SAFETY SERIES CONNECTOR

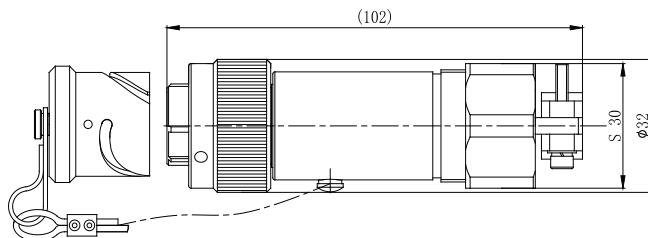
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 Φ1.6
  Φ2
  Φ2.4
  Φ3
  Φ3.2
  Φ3.6
  Φ5
  Φ5.75
  Φ8
  Φ9
  Φ10
  Φ12
  Φ14
  Φ18
  Φ23

Type spectrum	Arrangement of contacts	Number of stitches	Rated current	Rated voltage	Withstanding voltage	Order No. of adapting contact
	14-01	1×Φ12	300A	1000V	3000V AC 1min	Pin assembly: 70mm ² : 113020100470 95mm ² : 113020100471 120mm ² : 113020100469 Socket assembly: 70mm ² : 113020600621 95mm ² : 113020600620 120mm ² : 113020600618
	28-04	4×Φ14	300A	630V	2500V AC 1min	Pin assembly: 70mm ² : 115210006701 95mm ² : 115210006702 120mm ² : 113020100243 Socket assembly: 70mm ² : 115310008101 95mm ² : 115310008102 120mm ² : 113020600358
	28-05	5×Φ14	300A	630V	2500V AC 1min	Pin assembly: 120mm ² : 115210021301 150mm ² : 115210021302 185mm ² : 115210021303 240mm ² : 115210021304 Socket assembly: 120mm ² : 115310032001 150mm ² : 115310032002 185mm ² : 115310032003 240mm ² : 115310032004
	16-01	1×Φ18	600A	1000V	3000V AC 1min	Pin assembly: 240mm ² : 115210021001 300mm ² : 115210021002 360mm ² : 115210021003 400mm ² : 115210021004 Socket assembly: 240mm ² : 115310031601 300mm ² : 115310031602 360mm ² : 115310031603 400mm ² : 115310031604
	20-01	1×Φ23	1000A	1000V	3000V AC 1min	Pin assembly: 240mm ² : 115210021001 300mm ² : 115210021002 360mm ² : 115210021003 400mm ² : 115210021004 Socket assembly: 240mm ² : 115310031601 300mm ² : 115310031602 360mm ² : 115310031603 400mm ² : 115310031604

Overall dimensions of plug

NO. 06 housing plug



Shell NO.	Arrangement of contacts	Contact specifications	Model
06	06-03	3×Φ1.6	YGC-Exe13□0603□□
	06-04	4×Φ1.6	YGC-Exe13□0604□□
	06-05	5×Φ1.6	YGC-Exe13□0605□□

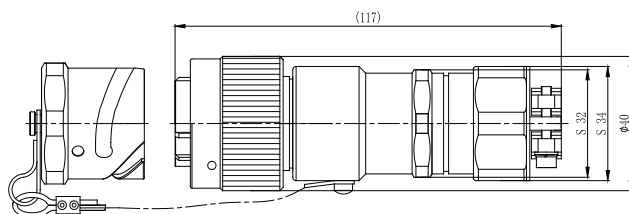
■ YGC-Exe13□0603 □ □

Code	Meaning
A	Aluminum alloy oxidation
F	Aluminum alloy nickel plating
S	Passivation of stainless steel

Code	Meaning
P	pin
S	socket

Code	Adapt cable outer diameter
05	Φ5~8
08	Φ8~11
11	Φ11~14

NO. 08 housing plug



Shell NO.	Arrangement of contacts	Contact specifications	Model
08	08-08	8×Φ1.6	YGC-Exe13□0808□□
	08-10	10×Φ1.6	YGC-Exe13□0810□□
	08-14	14×Φ1.6	YGC-Exe13□0814□□

■ YGC-Exe13□0808 □ □

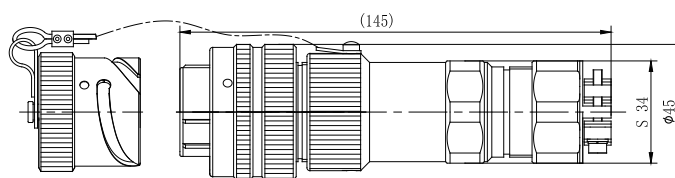
Code	Meaning
A	Aluminum alloy oxidation
F	Aluminum alloy nickel plating
S	Passivation of stainless steel

Code	Meaning
P	pin
S	socket

Code	Adapt cable outer diameter
04	Φ4~8
08	Φ8~11
11	Φ11~14
14	Φ14~17

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NO. 10 housing plug

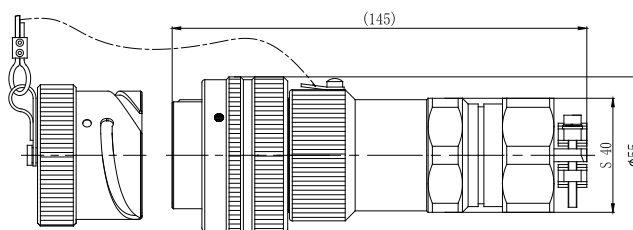


Shell NO.	Arrangement of contacts	Contact specifications	Model
10	10-03	3×Φ2	YGC-Exe13□1003□□
	10-04	4×Φ2	YGC-Exe13□1004□□
	10-05	5×Φ2	YGC-Exe13□1005□□
	10-20	20×Φ1.6	YGC-Exe13□1020□□

■ YGC-Exe13□1003 □ □

Code	Meaning	Code	Meaning	Code	Adapt cable outer diameter
A	Aluminum alloy oxidation	P	pin	08	Φ8~11
F	Aluminum alloy nickel plating	S	socket	11	Φ11~14
S	Passivation of stainless steel			14	Φ14~17

NO. 12 housing plug

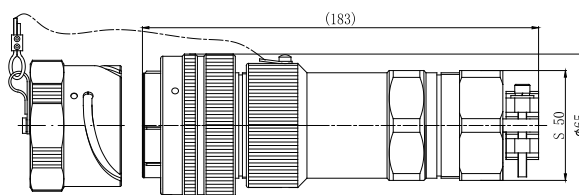


Shell NO.	Arrangement of contacts	Contact specifications	Model
12	12-03	3×Φ3	YGC-Exe13□1203□□
	12-04	4×Φ3	YGC-Exe13□1204□□
	12-05	5×Φ3	YGC-Exe13□1205□□
	12-08	8×Φ2	YGC-Exe13□1208□□
	12-24	24×Φ1.6	YGC-Exe13□1224□□

■ YGC-Exe13□1203 □ □

Code	Meaning	Code	Meaning	Code	Adapt cable outer diameter
A	Aluminum alloy oxidation	P	pin	04	Φ4~8
F	Aluminum alloy nickel plating	S	socket	08	Φ8~11
S	Passivation of stainless steel			11	Φ11~14
				14	Φ14~17
				17	Φ17~20

NO. 14 housing plug



Shell NO.	Arrangement of contacts	Contact specifications	Model
14	14-01	3× ϕ 12	YGC-Exe13□1401□□ ^①
	14-03	3× ϕ 5	YGC-Exe13□1403□□
	14-04	4× ϕ 5	YGC-Exe13□1404□□
	14-05	5× ϕ 5	YGC-Exe13□1405□□
	14-12	12× ϕ 2	YGC-Exe13□1412□□
	14-27	27× ϕ 1.6	YGC-Exe13□1427□□
	14-32	34× ϕ 1.6	YGC-Exe13□1432□□
	14-37	37× ϕ 1.6	YGC-Exe13□1437□□

■ YGC-Exe13□1401□□

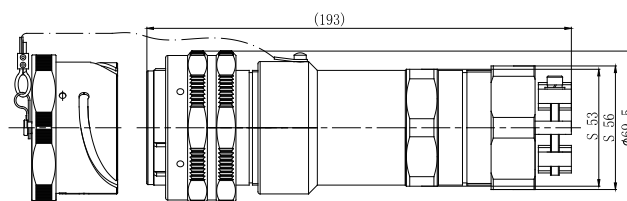
Code	Meaning
A	Aluminum alloy oxidation
F	Aluminum alloy nickel plating
S	Passivation of stainless steel

Code	Meaning
P	pin
S	socket

Code	Adapt cable outer diameter
16	Φ 16~19
19	Φ 19~24
24	Φ 24~29

Note: ① The model has five color rings: red, yellow, blue, green and white. Add "(color)" at the end of the model during model selection. For example, YGC-Exe13 □ 1401 □ □ (yellow) indicates that the product shell of the model has a yellow color ring.

NO. 16 housing plug



Shell NO.	Arrangement of contacts	Contact specifications	Model
16	16-01	1× ϕ 18	YGC-Exe13□1601□□ ^①
	16-04	4× ϕ 5.75	YGC-Exe13□1604□□
	16-05	5× ϕ 5.75	YGC-Exe13□1605□□
	16-10	10× ϕ 2	YGC-Exe13□1610□□
	16-14	14× ϕ 2	YGC-Exe13□1614□□
	16-46	46× ϕ 1.6	YGC-Exe13□1646□□

■ YGC-Exe13□1601□□

Code	Meaning
A	Aluminum alloy oxidation
F	Aluminum alloy nickel plating
S	Passivation of stainless steel

Code	Meaning
P	pin
S	socket

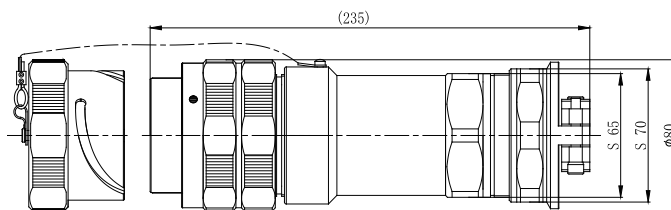
Code	Adapt cable outer diameter
19	Φ 19~24
24	Φ 24~29
29	Φ 29~34

Note: ① The model has five color rings: red, yellow, blue, green and white. Add "(color)" at the end of the model during model selection. For example, YGC-Exe13 □ 1601 □ □ (yellow) indicates that the product shell of the model has a yellow color ring.

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NO. 20 housing plug



Shell NO.	Arrangement of contacts	Contact specifications	Model
20	20-01	1× $\phi 23$	YGC-Exe13□2001□□ ^①
	20-04	4× $\phi 8$	YGC-Exe13□2004□□
	20-05	5× $\phi 8$	YGC-Exe13□2005□□
	20-04A	4× $\phi 10$	YGC-Exe13□2004A□□
	20-05A	5× $\phi 10$	YGC-Exe13□2005A□□
	20-20	20× $\phi 3$	YGC-Exe13□2020□□
	20-60	60× $\phi 1.6$	YGC-Exe13□2060□□

■ YGC-Exe13□2001 □ □

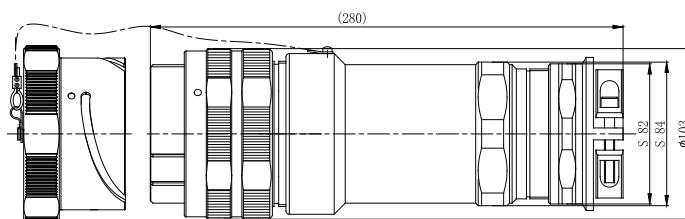
Code	Meaning
A	Aluminum alloy oxidation
F	Aluminum alloy nickel plating
S	Passivation of stainless steel

Code	Meaning
P	pin
S	socket

Code	Adapt cable outer diameter
29	$\phi 29 \sim 34$
34	$\phi 34 \sim 39$
39	$\phi 39 \sim 44$
44	$\phi 44 \sim 49$

Note: ① The model has five color rings: red, yellow, blue, green and white. Add "(color)" at the end of the model during model selection. For example, YGC-Exe13 □ 2001 □ □ (yellow) indicates that the product shell of the model has a yellow color ring.

NO. 28 housing plug



Shell NO.	Arrangement of contacts	Contact specifications	Model
28	28-04	4× $\phi 14$	YGC-Exe13□2804□□
	28-05	4× $\phi 14$	YGC-Exe13□2805□□

■ YGC-Exe13□2804 □ □

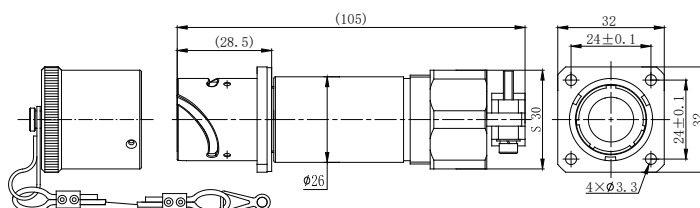
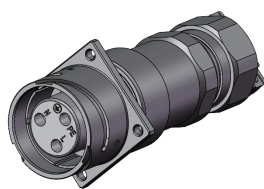
Code	Meaning
A	Aluminum alloy oxidation
F	Aluminum alloy nickel plating
S	Passivation of stainless steel

Code	Meaning
P	pin
S	socket

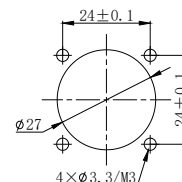
Code	Adapt cable outer diameter
49	$\phi 49 \sim 54$
54	$\phi 54 \sim 59$

Overall dimensions of square plate mobile socket

NO.06 housing square plate mobile socket



Recommended installation dimensions:



Shell NO.	Arrangement of contacts	Contact specifications	Model
06	06-03	3 × Φ1.6	YGC-Exe15□0603□□
	06-04	4 × Φ1.6	YGC-Exe15□0604□□
	06-05	5 × Φ1.6	YGC-Exe15□0605□□

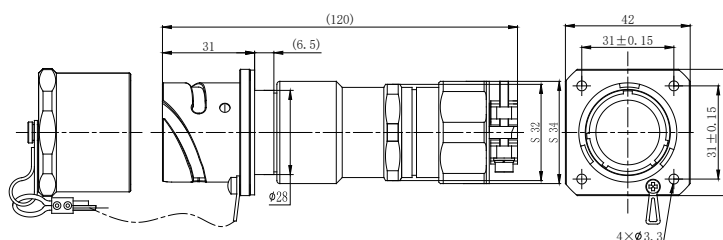
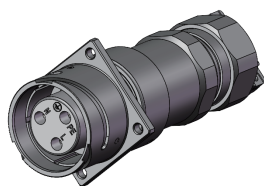
■ YGC-Exe15□0603 □ □

Code	Meaning
A	Aluminum alloy oxidation
F	Aluminum alloy nickel plating
S	Passivation of stainless steel

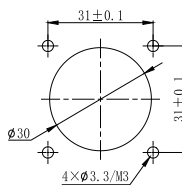
Code	Meaning
P	pin
S	socket

Code	Adapt cable outer diameter
05	Φ5~8
08	Φ8~11
11	Φ11~14

NO.08 housing square plate mobile socket



Recommended installation dimensions:



Shell NO.	Arrangement of contacts	Contact specifications	Model
08	08-08	8 × Φ1.6	YGC-Exe15□0808□□
	08-10	10 × Φ1.6	YGC-Exe15□0810□□
	08-14	14 × Φ1.6	YGC-Exe15□0814□□

■ YGC-Exe15□0808 □ □

Code	Meaning
A	Aluminum alloy oxidation
F	Aluminum alloy nickel plating
S	Passivation of stainless steel

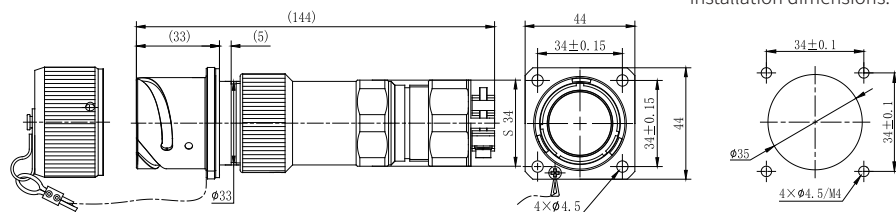
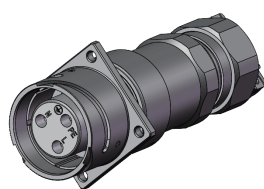
Code	Meaning
P	pin
S	socket

Code	Adapt cable outer diameter
04	Φ4~8
08	Φ8~11
11	Φ11~14
14	Φ14~17

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NO.10 housing square plate mobile socket



Shell NO.	Arrangement of contacts	Contact specifications	Model
10	10-03	3×Φ2	YGC-Exe15□1003□□
	10-04	4×Φ2	YGC-Exe15□1004□□
	10-05	5×Φ2	YGC-Exe15□1005□□
	10-20	20×Φ1.6	YGC-Exe15□1020□□

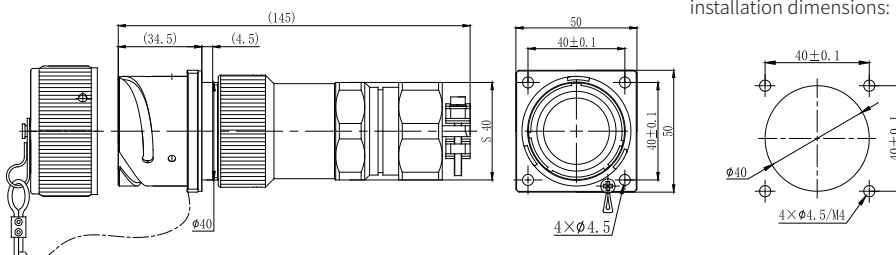
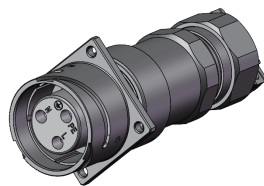
■ YGC-Exe15□1003 □ □

Code	Meaning
A	Aluminum alloy oxidation
F	Aluminum alloy nickel plating
S	Passivation of stainless steel

Code	Meaning
P	pin
S	socket

Code	Adapt cable outer diameter
08	Φ8~11
11	Φ11~14
14	Φ14~17

NO.12 housing square plate mobile socket



Shell NO.	Arrangement of contacts	Contact specifications	Model
12	12-03	3×Φ3	YGC-Exe15□1203□□
	12-04	4×Φ3	YGC-Exe15□1204□□
	12-05	5×Φ3	YGC-Exe15□1205□□
	12-08	8×Φ2	YGC-Exe15□1208□□
	12-24	24×Φ1.6	YGC-Exe15□1224□□

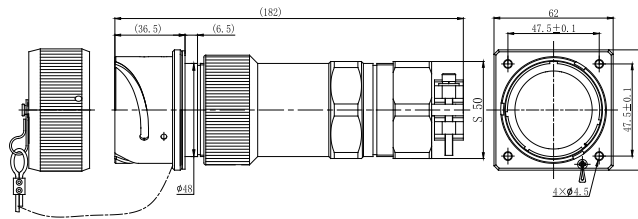
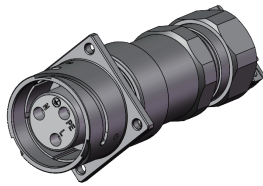
■ YGC-Exe15□1203 □ □

Code	Meaning
A	Aluminum alloy oxidation
F	Aluminum alloy nickel plating
S	Passivation of stainless steel

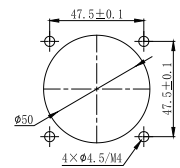
Code	Meaning
P	pin
S	socket

Code	Adapt cable outer diameter
04	Φ4~8
08	Φ8~11
11	Φ11~14
14	Φ14~17

NO.14 housing square plate mobile socket



Recommended installation dimensions:



Shell NO.	Arrangement of contacts	Contact specifications	Model
14	14-01	3× $\phi 12$	YGC-Exe15□1401□□ ^①
	14-03	3× $\phi 5$	YGC-Exe15□1403□□
	14-04	4× $\phi 5$	YGC-Exe15□1404□□
	14-05	5× $\phi 5$	YGC-Exe15□1405□□
	14-12	12× $\phi 2$	YGC-Exe15□1412□□
	14-27	27× $\phi 1.6$	YGC-Exe15□1427□□
	14-32	34× $\phi 1.6$	YGC-Exe15□1432□□
	14-37	37× $\phi 1.6$	YGC-Exe15□1437□□

■ YGC-Exe15□1401 □ □

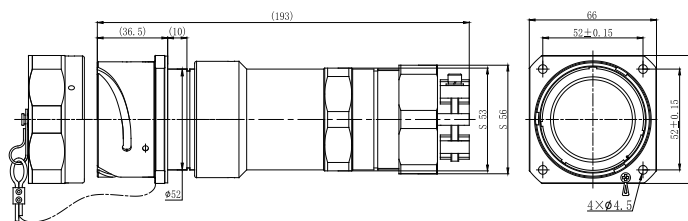
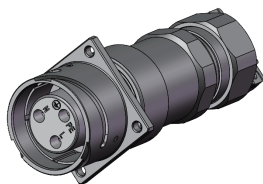
Code	Meaning
A	Aluminum alloy oxidation
F	Aluminum alloy nickel plating
S	Passivation of stainless steel

Code	Meaning
P	pin
S	socket

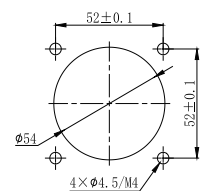
Code	Adapt cable outer diameter
16	$\Phi 16\sim 19$
19	$\Phi 19\sim 24$
24	$\Phi 24\sim 29$

Note: ① The model has five color rings: red, yellow, blue, green and white. Add "(color)" at the end of the model during model selection. For example, YGC-Exe15 □ 1401 □ □ (yellow) indicates that the product shell of the model has a yellow color ring.

NO.16 housing square plate mobile socket



Recommended installation dimensions:



Shell NO.	Arrangement of contacts	Contact specifications	Model
16	16-01	1× $\phi 18$	YGC-Exe15□1601□□ ^①
	16-04	4× $\phi 5.75$	YGC-Exe15□1604□□
	16-05	5× $\phi 5.75$	YGC-Exe15□1605□□
	16-10	10× $\phi 2$	YGC-Exe15□1610□□
	16-14	14× $\phi 2$	YGC-Exe15□1614□□
	16-46	46× $\phi 1.6$	YGC-Exe15□1646□□

■ YGC-Exe15□1601 □ □

Code	Meaning
A	Aluminum alloy oxidation
F	Aluminum alloy nickel plating
S	Passivation of stainless steel

Code	Meaning
P	pin
S	socket

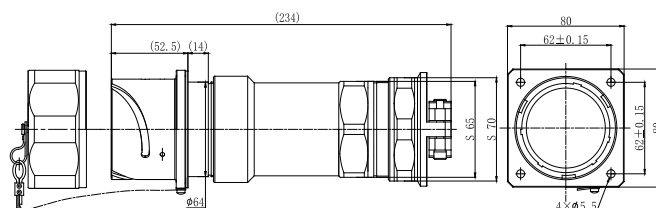
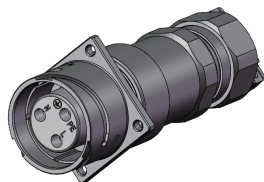
Code	Adapt cable outer diameter
19	$\Phi 19\sim 24$
24	$\Phi 24\sim 29$
29	$\Phi 29\sim 34$

Note: ① The model has five color rings: red, yellow, blue, green and white. Add "(color)" at the end of the model during model selection. For example, YGC-Exe15 □ 1601 □ □ (yellow) indicates that the product shell of the model has a yellow color ring.

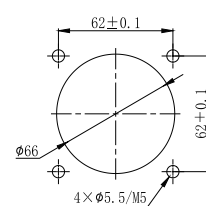
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NO.20 housing square plate mobile socket



Recommended installation dimensions:



Shell NO.	Arrangement of contacts	Contact specifications	Model
20	20-01	1 × $\phi 23$	YGC-Exe15□2001□□ ^①
	20-04	4 × $\phi 8$	YGC-Exe15□2004□□
	20-05	5 × $\phi 8$	YGC-Exe15□2005□□
	20-04A	4 × $\phi 10$	YGC-Exe15□2004A□□
	20-05A	5 × $\phi 10$	YGC-Exe15□2005A□□
	20-20	20 × $\phi 3$	YGC-Exe15□2020□□
	20-60	60 × $\phi 1.6$	YGC-Exe15□2060□□

■ YGC-Exe15□2001 □ □

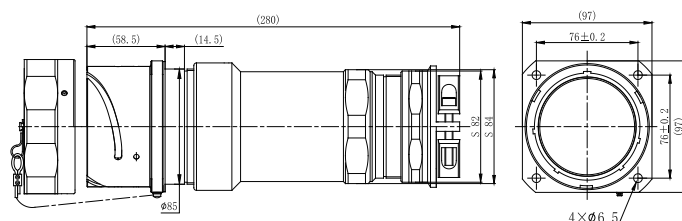
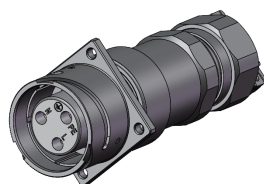
Code	Meaning
A	Aluminum alloy oxidation
F	Aluminum alloy nickel plating
S	Passivation of stainless steel

Code	Meaning
P	pin
S	socket

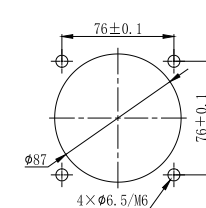
Code	Adapt cable outer diameter
29	$\phi 29 \sim 34$
34	$\phi 34 \sim 39$
39	$\phi 39 \sim 44$
44	$\phi 44 \sim 49$

Note: ① The model has five color rings: red, yellow, blue, green and white. Add "(color)" at the end of the model during model selection. For example, YGC-Exe15 □ 2001 □ □ (yellow) indicates that the product shell of the model has a yellow color ring.

NO.28 housing square plate mobile socket



Recommended installation dimensions:



Shell NO.	Arrangement of contacts	Contact specifications	Model
28	28-04	4 × $\phi 14$	YGC-Exe15□2804□□
	28-05	4 × $\phi 14$	YGC-Exe15□2805□□

■ YGC-Exe15□2804 □ □

Code	Meaning
A	Aluminum alloy oxidation
F	Aluminum alloy nickel plating
S	Passivation of stainless steel

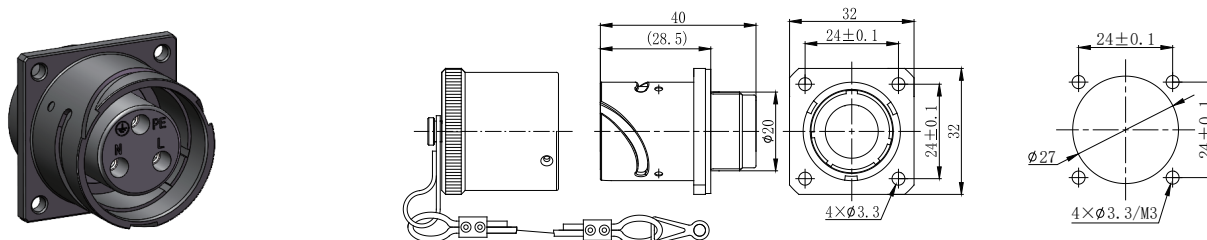
Code	Meaning
P	pin
S	socket

Code	Adapt cable outer diameter
49	$\phi 49 \sim 54$
54	$\phi 54 \sim 59$

Overall dimensions of panel mounting socket

NO.06 housing panel mounted socket

Recommended
installation dimensions:



Shell NO.	Arrangement of contacts	Contact specifications	Model
06	06-03	3×Φ1.6	YGC-Exe17□0603□
	06-04	4×Φ1.6	YGC-Exe17□0604□
	06-05	5×Φ1.6	YGC-Exe17□0605□

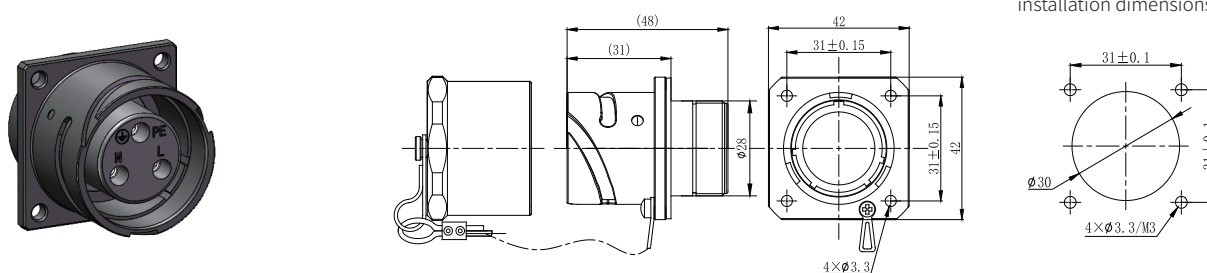
■YGC-Exe17□0603□

Code	Meaning
A	Aluminum alloy oxidation
F	Aluminum alloy nickel plating
S	Passivation of stainless steel

Code	Meaning
P	pin
S	socket

NO.08 housing panel mounted socket

Recommended
installation dimensions:



Shell NO.	Arrangement of contacts	Contact specifications	Model
08	08-08	8×Φ1.6	YGC-Exe17□0808□
	08-10	10×Φ1.6	YGC-Exe17□0810□
	08-14	14×Φ1.6	YGC-Exe17□0814□

■YGC-Exe17□0808□

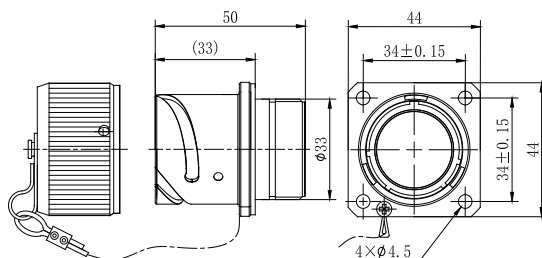
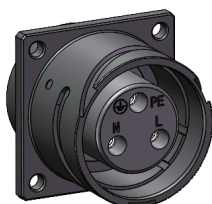
Code	Meaning
A	Aluminum alloy oxidation
F	Aluminum alloy nickel plating
S	Passivation of stainless steel

Code	Meaning
P	pin
S	socket

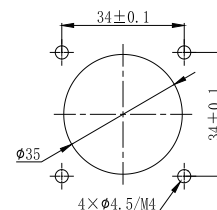
2 INCREASED SAFETY SERIES CONNECTOR

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NO.10 housing panel mounted socket



Recommended installation dimensions:



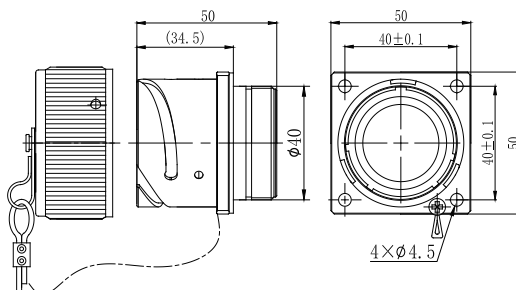
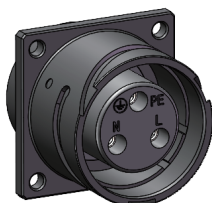
Shell NO.	Arrangement of contacts	Contact specifications	Model
10	10-03	3×Φ2	YGC-Exe17□1003□
	10-04	4×Φ2	YGC-Exe17□1004□
	10-05	5×Φ2	YGC-Exe17□1005□
	10-20	20×Φ1.6	YGC-Exe17□1020□

■ YGC-Exe17□1003 □

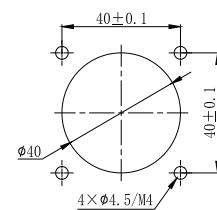
Code	Meaning
A	Aluminum alloy oxidation
F	Aluminum alloy nickel plating
S	Passivation of stainless steel

Code	Meaning
P	pin
S	socket

NO.12 housing panel mounted socket



Recommended installation dimensions:



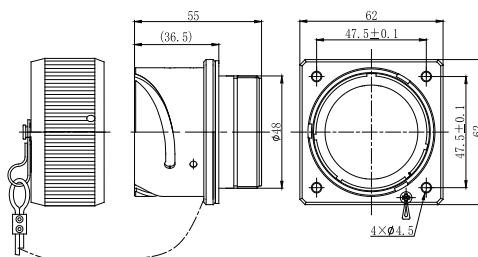
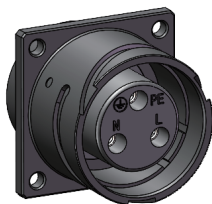
Shell NO.	Arrangement of contacts	Contact specifications	Model
12	12-03	3×Φ3	YGC-Exe17□1203□□
	12-04	4×Φ3	YGC-Exe17□1204□□
	12-05	5×Φ3	YGC-Exe17□1205□□
	12-08	8×Φ2	YGC-Exe17□1208□□
	12-24	24×Φ1.6	YGC-Exe17□1224□□

■ YGC-Exe17□1203 □

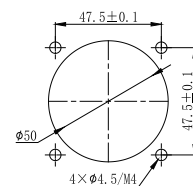
Code	Meaning
A	Aluminum alloy oxidation
F	Aluminum alloy nickel plating
S	Passivation of stainless steel

Code	Meaning
P	pin
S	socket

NO.14 housing panel mounted socket



Recommended
installation dimensions:



Shell NO.	Arrangement of contacts	Contact specifications	Model
14	14-01	3×φ12	YGC-Exe17□1401□ ^①
	14-03	3×φ5	YGC-Exe17□1403□
	14-04	4×φ5	YGC-Exe17□1404□
	14-05	5×φ5	YGC-Exe17□1405□
	14-12	12×φ2	YGC-Exe17□1412□
	14-27	27×φ1.6	YGC-Exe17□1427□
	14-32	34×φ1.6	YGC-Exe17□1432□
	14-37	37×φ1.6	YGC-Exe17□1437□

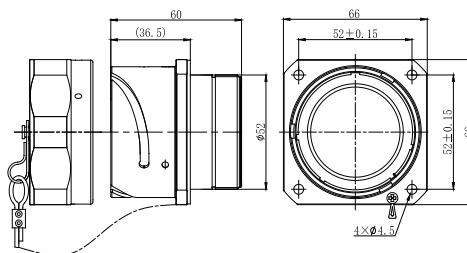
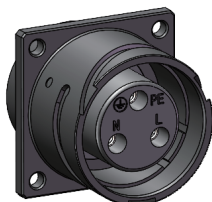
■ YGC-Exe17□1401 □

Code	Meaning
A	Aluminum alloy oxidation
F	Aluminum alloy nickel plating
S	Passivation of stainless steel

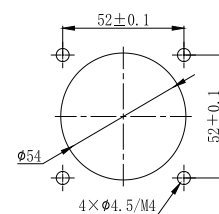
Code	Meaning
P	pin
S	socket

Note: ① The model has five color rings: red, yellow, blue, green and white. Add "(color)" at the end of the model during model selection. For example, YGC-Exe17 ☐ 1401 ☐ (yellow) indicates that the product shell of the model has a yellow color ring.

NO.16 housing panel mounted socket



Recommended
installation dimensions:



壳体号	接触件排列	接触件规格	型号
16	16-01	1×φ18	YGC-Exe17□1601□ ^①
	16-04	4×φ5.75	YGC-Exe17□1604□
	16-05	5×φ5.75	YGC-Exe17□1605□
	16-10	10×φ2	YGC-Exe17□1610□
	16-14	14×φ2	YGC-Exe17□1614□
	16-46	46×φ1.6	YGC-Exe17□1646□

■ YGC-Exe17□1601 □

Code	Meaning
A	Aluminum alloy oxidation
F	Aluminum alloy nickel plating
S	Passivation of stainless steel

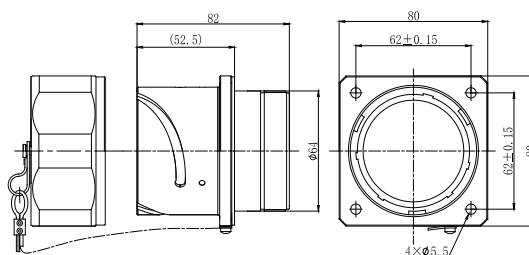
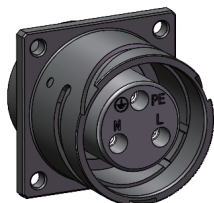
Code	Meaning
P	pin
S	socket

Note: ① The model has five color rings: red, yellow, blue, green and white. Add "(color)" at the end of the model during model selection. For example, YGC-Exe17 ☐ 1601 ☐ (yellow) indicates that the product shell of the model has a yellow color ring.

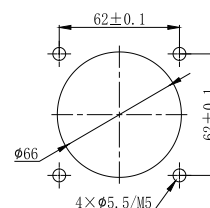
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NO.16 housing panel mounted socket



Recommended installation dimensions:



Shell NO.	Arrangement of contacts	Contact specifications	Model
20	20-01	1×φ23	YGC-Exe17□2001□ ^①
	20-04	4×φ8	YGC-Exe17□2004□
	20-05	5×φ8	YGC-Exe17□2005□
	20-04A	4×φ10	YGC-Exe17□2004A□
	20-05A	5×φ10	YGC-Exe17□2005A□
	20-20	20×φ3	YGC-Exe17□2020□
	20-60	60×φ1.6	YGC-Exe17□2060□

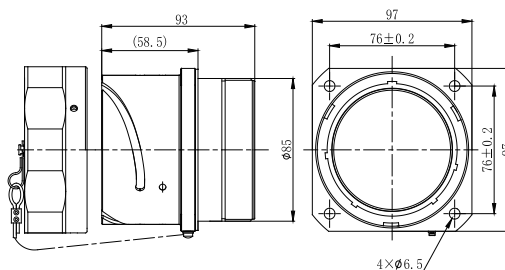
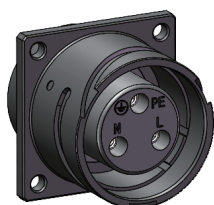
■ YGC-Exe17□2001□

Code	Meaning
A	Aluminum alloy oxidation
F	Aluminum alloy nickel plating
S	Passivation of stainless steel

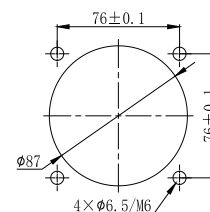
Code	Meaning
P	pin
S	socket

Note: ① The model has five color rings: red, yellow, blue, green and white. Add "(color)" at the end of the model during model selection. For example, YGC-Exe17□2001□□ (yellow) indicates that the product shell of the model has a yellow color ring.

NO.16 housing panel mounted socket



Recommended installation dimensions:



Shell NO.	Arrangement of contacts	Contact specifications	Model
28	28-04	4×φ14	YGC-Exe17□2804□
	28-05	4×φ14	YGC-Exe17□2805□

■ YGC-Exe17□2804□

Code	Meaning
A	Aluminum alloy oxidation
F	Aluminum alloy nickel plating
S	Passivation of stainless steel

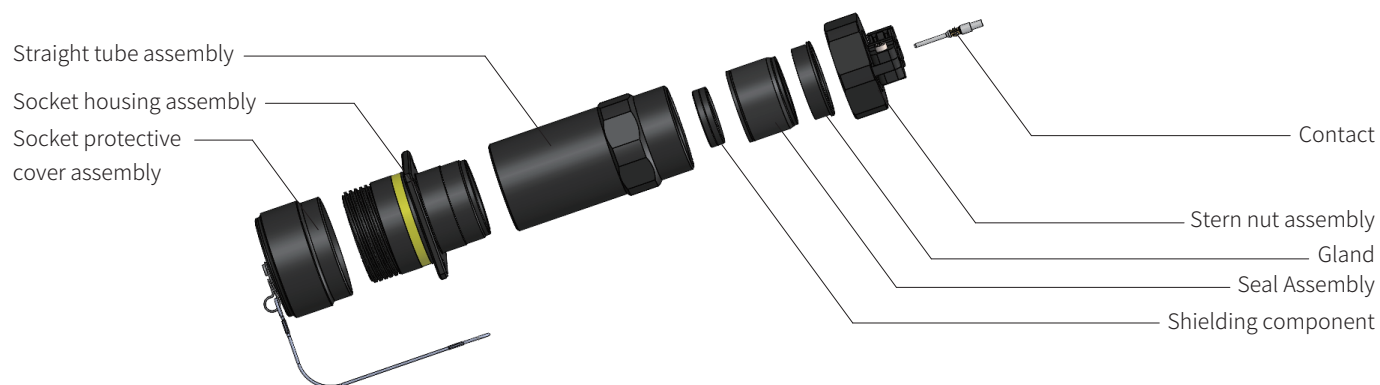
Code	Meaning
P	pin
S	socket

Exploded view

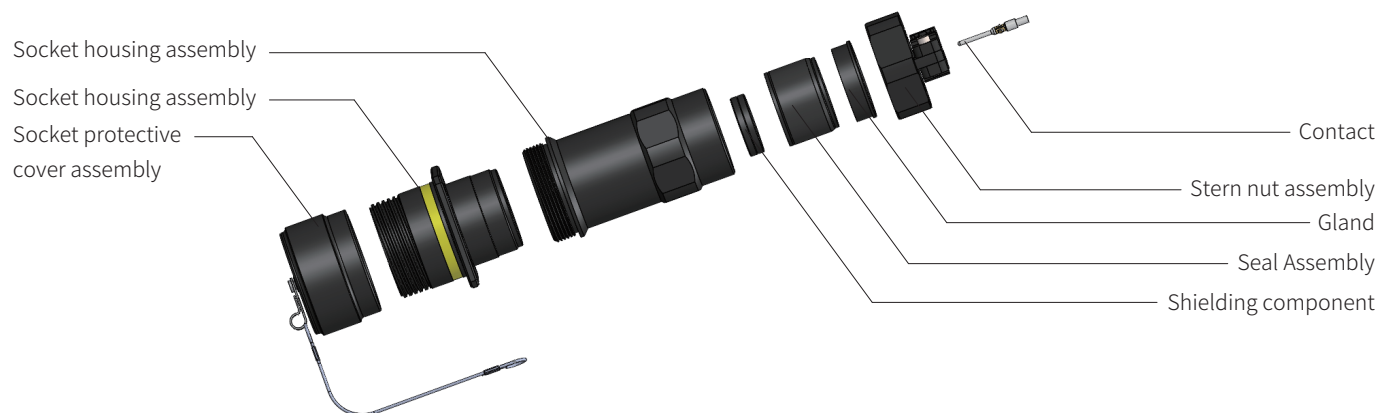
Exploded view of plug



Exploded view of square plate mobile socket



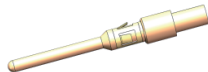
Exploded view of explosion-proof box socket



3 EXPLOSION-PROOF SERIES CONNECTOR

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Type selection configuration table

Optional material	plug ①	Square platemobile socket ②	Panel mounted socket ③	Contact ④
Schematic diagram				 Pin assembly (male pin)  Jack assembly (female pin)
Model selection Recommended configuration	Scheme 1: ①+②+④ (applicable scenario: direct connection of cables) Scheme 2: ①+③+④ (applicable scenario: external power supply or signal access of explosion-proof equipment)			
Selective attention	- The connector is divided into plug and socket. When the plug is configured with female pin, the socket shall be configured with male pin. When the plug is configured with male pin, the socket shall be configured with female pin - Refer to (P27~P40 connector outline and installation dimensions) for specific structure of connector - See [P40~P47 Contact specifications and matching lead requirements (purchased separately)] for contact selection			

Technical Parameter

Explosion-proof parameters

Explosion proof sign	Ex db IIC T4 Gb, Ex tb IIIC T130°C Db(-55°C≤Ta≤60°C)
Comply with standards	Comply with GB/T3836.1, GB/T3836.2 and GB/T3836.31, and corresponding requirements specified in equivalent standards IEC60079-0, EN60079-0, IEC600079-1, EN60079-1, IEC600079-31 and EN60079-31

Electrical parameters

Rated current	See contact arrangement, P23~P27
rated voltage	See contact arrangement, P23~P27
Withstand voltage (DC or 50HzAC effective value)	See contact arrangement, P23~P27
insulation resistance	5000MΩ

mechanical parameters

Impact resistance	7J
mechanical life	750 times

Environmental parameters

ambient temperature	-55°C~+60°C
protection grade	IP66/IP68 (1m, 1h)

Material and surface treatment

casing	Aluminum alloy hard oxygen black (500h for neutral salt spray)
	Passivation of stainless steel (1000h for neutral salt spray)
Contact	Copper alloy gold/silver plating

Model definition

Connector Model Definition

Manufacturer	YGC	Exd	13	A	04	03	P	05
Explosion-proof explosion-proof products								
13—Plug								
15—Square plate mobile socket								
19—Explosion-proof box socket								
A - Aluminum alloy oxidation								
S - Stainless Steel								
Shell code (P27~P39)								
Type spectrum arrangement (P23~P27)								
P: pin S: socket								
Shell No. Adapter cable code (P27~P39)								

Contact arrangement (viewing from pin insulator end)

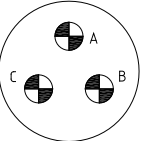
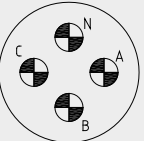
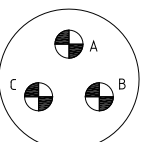
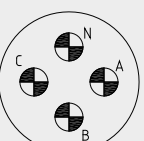
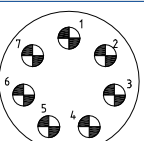
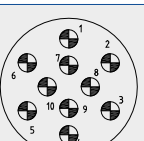
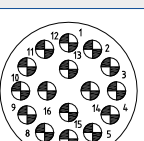
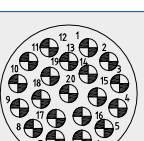
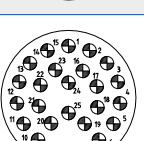
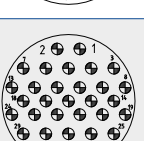


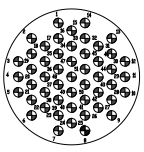
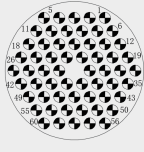
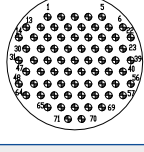
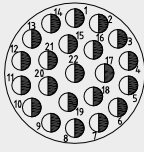
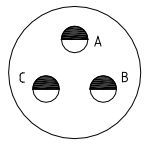
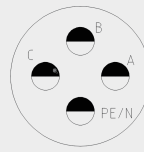
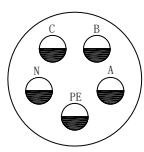
Type spectrum	Arrangement of contacts	Number of stitches	Rated current	Rated voltage	Withstanding voltage	Order No. of adapting contact
	08-RJ45	8	1A	60V	/	
	04-03	3×Φ1.6	10A	60V	500V AC 1min	Pin assembly: 0.14-0.37mm ² : 115210010801 0.5mm ² : 115210010802 0.75-1.0mm ² : 115210010804 1.5mm ² : 115210010805 2.5mm ² : 115210010901 Socket assembly: 0.14-0.37mm ² : 115310016101 0.5mm ² : 115310016102 0.75-1.0mm ² : 115310016104 1.5mm ² : 115310016105 2.5mm ² : 115310016106
	04-05	5×Φ1.6	10A	60V	500V AC 1min	
	08-10	10×Φ1.6	10A	250V	1500V AC 1min	
	08-12	12×Φ1.6	10A	250V	1500V AC 1min	

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 $\Phi 1.6$
 $\Phi 2$
 $\Phi 2.4$
 $\Phi 3$
 $\Phi 3.2$
 $\Phi 3.6$
 $\Phi 5$
 $\Phi 5.75$
 $\Phi 8$
 $\Phi 9$
 $\Phi 10$
 $\Phi 12$
 $\Phi 14$
 $\Phi 18$
 $\Phi 23$

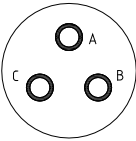
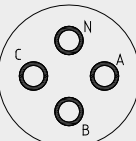
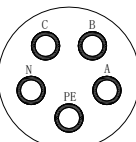
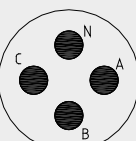
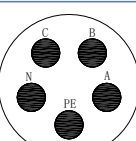
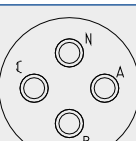
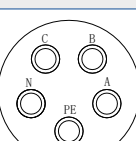
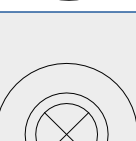
Type spectrum	Arrangement of contacts	Number of stitches	Rated current	Rated voltage	Withstanding voltage	Order No. of adapting contact
	08-03	3× $\Phi 2.4$	25A	250V	1500V AC 1min	Pin assembly: 0.5mm ² : 115210021801 1.0mm ² : 115210021802 1.5mm ² : 115210021803 2.5mm ² : 115210021804 4.0mm ² : 113020101492 Socket assembly: 0.5mm ² : 115310033401 1.0mm ² : 115310033402 1.5mm ² : 115310033403 2.5mm ² : 115310033404 4.0mm ² : 113020602264
	08-04	4× $\Phi 2.4$	25A	250V	1500V AC 1min	
	12-03	3× $\Phi 2.4$	25A	630V	2500V AC 1min	
	12-04	4× $\Phi 2.4$	25A	630V	2500V AC 1min	
	16-07	7× $\Phi 2.4$	25A	630V	2500V AC 1min	
	16-10	10× $\Phi 2.4$	25A	630V	2500V AC 1min	
	16-16	16× $\Phi 2.4$	25A	630V	2500V AC 1min	
	16-20	20× $\Phi 2.4$	25A	630V	2500V AC 1min	
	20-25	25× $\Phi 2.4$	25A	630V	2500V AC 1min	
	20-31	31× $\Phi 2.4$	25A	630V	2500V AC 1min	

Type spectrum	Arrangement of contacts	Number of stitches	Rated current	Rated voltage	Withstanding voltage	Order No. of adapting contact
	24A-51	51×Φ2.4	16A	630V	2500V AC 1min	Pin assembly: 0.5mm ² : 115210021801 1.0mm ² : 115210021802 1.5mm ² : 115210021803 2.5mm ² : 115210021804 4.0mm ² : 113020101492
	24-60	60×Φ2.4	16A	630V	2500V AC 1min	Socket assembly: 0.5mm ² : 115310033401 1.0mm ² : 115310033402 1.5mm ² : 115310033403 2.5mm ² : 115310033404 4.0mm ² : 113020602264
	28-71	71×Φ2.4	16A	630V	2500V AC 1min	
	24-22	22×Φ3	32A	630V	2500V AC 1min	Pin assembly: 1.5mm ² : 115210005304 2.5mm ² : 115210005301 4mm ² : 115210005302 6mm ² : 115210005303 Socket assembly: 1.5mm ² : 115310006104 2.5mm ² : 115310006101 4mm ² : 115310006102 6mm ² : 115310006103
	12-03A	3×Φ3.2	40A	630V	2500V AC 1min	Pin assembly: 1.5mm ² : 115210021405 2.5mm ² : 115210021404 4.0mm ² : 115210021403 6.0mm ² : 115210021402 10mm ² : 115210021401
	12-04A	4×Φ3.2	40A	630V	2500V AC 1min	Socket assembly: 1.5mm ² : 115310032105 2.5mm ² : 115310032104 4.0mm ² : 115310032103 6.0mm ² : 115310032102 10mm ² : 115310032101
	16-05	5×Φ3.6	50A	630V	2500V AC 1min	Pin assembly: 1.5mm ² : 113020100246 2.5mm ² : 113020100237 4.0mm ² : 113020100245 6.0mm ² : 113020100236 10mm ² : 113020100580 Socket assembly: 1.5mm ² : 113020600366 2.5mm ² : 113020600356 4.0mm ² : 113020600365 6.0mm ² : 113020600344 10mm ² : 113020600770

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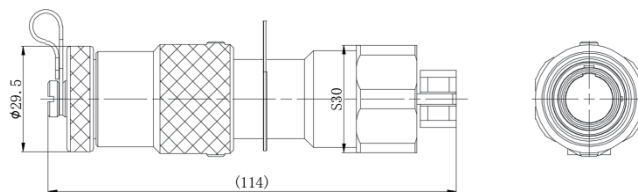
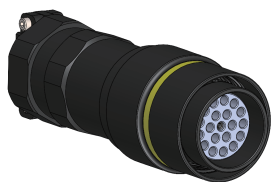
 $\Phi 1.6$
 $\Phi 2$
 $\Phi 2.4$
 $\Phi 3$
 $\Phi 3.2$
 $\Phi 3.6$
 $\Phi 5$
 $\Phi 5.75$
 $\Phi 8$
 $\Phi 9$
 $\Phi 10$
 $\Phi 12$
 $\Phi 14$
 $\Phi 18$
 $\Phi 23$

Type spectrum	Arrangement of contacts	Number of stitches	Rated current	Rated voltage	Withstanding voltage	Order No. of adapting contact
	16-03	$3 \times \Phi 5.75$	100A	630V	2500V AC 1min	Pin assembly: 6.0mm ² : 113020100207 10mm ² : 113020100195 16mm ² : 113020100328 25mm ² : 113020100196 Socket assembly: 6.0mm ² : 113020600315 10mm ² : 113020600303 16mm ² : 113020600467 25mm ² : 113020600304
	16-04	$4 \times \Phi 5.75$	100A	630V	2500V AC 1min	
	20-05	$5 \times \Phi 5.75$	100A	630V	2500V AC 1min	
	20-04	$4 \times \Phi 9$	150A	630V	2500V AC 1min	Pin assembly: 50mm ² : 113020100608 70mm ² : 113020100342 Socket assembly: 50mm ² : 113020600826 70mm ² : 113020600488
	24-05	$5 \times \Phi 9$	150A	630V	2500V AC 1min	
	24-04	$4 \times \Phi 10$	200A	630V	2500V AC 1min	Pin assembly: 50mm ² : 115210005501 70mm ² : 115210005502 Socket assembly: 25mm ² : 115310007102 35mm ² : 115310007105 50mm ² : 115310007103 70mm ² : 115310007104
	24-05A	$5 \times \Phi 10$	200A	630V	2500V AC 1min	
	16-01	$1 \times \Phi 12$	300A	1000V	3000V AC 1min	Pin assembly: 70mm ² : 113020100470 95mm ² : 113020100471 120mm ² : 113020100469 Socket assembly: 70mm ² : 113020600621 95mm ² : 113020600620 120mm ² : 113020600618

Type spectrum	Arrangement of contacts	Number of stitches	Rated current	Rated voltage	Withstanding voltage	Order No. of adapting contact
	20-01	1× $\phi 18$	650A	1000V	3000V AC 1min	Pin assembly: 120mm ² : 115210021301 150mm ² : 115210021302 185mm ² : 115210021303 240mm ² : 115210021304 Socket assembly: 120mm ² : 115310032001 150mm ² : 115310032002 185mm ² : 115310032003 240mm ² : 115310032004
	24A-01	1× $\phi 18$	750A	1000V	3000V AC 1min	Pin assembly: 240mm ² : 115210021001 300mm ² : 115210021002 360mm ² : 115210021003 400mm ² : 115210021004 Socket assembly: 240mm ² : 115310031601 300mm ² : 115310031602 360mm ² : 115310031603 400mm ² : 115310031604
	24-01	1× $\phi 23$	1000A	1000V	3000V AC 1min	Pin assembly: 240mm ² : 115210021001 300mm ² : 115210021002 360mm ² : 115210021003 400mm ² : 115210021004 Socket assembly: 240mm ² : 115310031601 300mm ² : 115310031602 360mm ² : 115310031603 400mm ² : 115310031604

Overall dimensions of plug

NO. 04 housing plug



shell NO.	Arrangement of contacts	Contact specifications	Model
04	04-03	3× $\phi 1.6$	YGC-Exd13□0403□□
	04-05	5× $\phi 1.6$	YGC-Exd13□0405□□

■YGC-Exd13□0403 □ □

Code	Meaning
A	Aluminum alloy oxidation
S	Passivation of stainless steel

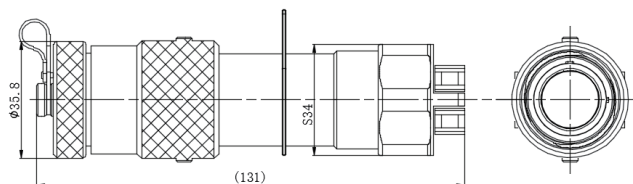
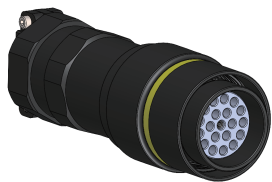
Code	Meaning
P	pin
S	Socket

Code	Adapt cable outer diameter
05	$\phi 5\sim 8$
08	$\phi 8\sim 11$
11	$\phi 11\sim 14$

3 EXPLOSION-PROOF SERIES CONNECTOR

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NO. 08 housing plug



Shell NO.	Arrangement of contacts	Contact specifications	Model
08	08-RJ45	/	YGC-Exd13□08RJ45□□
	08-03	3×Φ2.4	YGC-Exd13□0803□□
	08-04	4×Φ2.4	YGC-Exd13□0804□□
	08-10	10×Φ1.6	YGC-Exd13□0810□□
	08-12	12×Φ1.6	YGC-Exd13□0812□□

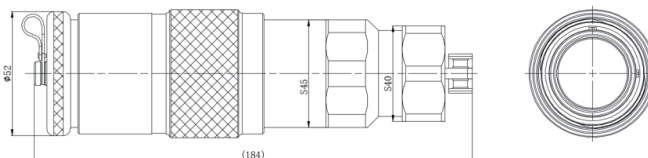
■ YGC-Exd13□0803 □ □

Code	Meaning
A	Aluminum alloy oxidation
S	Passivation of stainless steel

Code	Meaning
P	pin
S	Socket

Code	Adapt cable outer diameter
04	Φ4~8
08	Φ8~11
11	Φ11~14
14	Φ14~17

NO. 12 housing plug



Shell NO.	Arrangement of contacts	Contact specifications	Model
12	12-03	3×Φ2.4	YGC-Exd13□1203□□
	12-04	4×Φ2.4	YGC-Exd13□1204□□
	12-03A	3×Φ3.2	YGC-Exd13□1203A□□
	12-04A	4×Φ3.2	YGC-Exd13□1204A□□

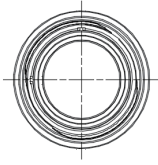
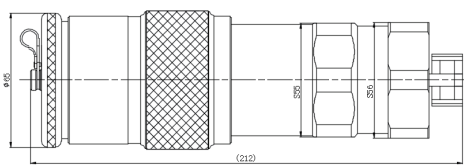
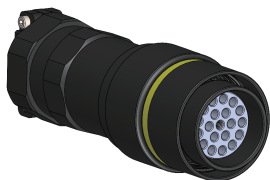
■ YGC-Exd13□1203 □ □

Code	Meaning
A	Aluminum alloy oxidation
S	Passivation of stainless steel

Code	Meaning
P	pin
S	Socket

Code	Adapt cable outer diameter
08	Φ8~11
11	Φ11~14
14	Φ14~17
17	Φ17~20

NO. 16 housing plug



Shell NO.	Arrangement of contacts	Contact specifications	Model
16	16-01	1× $\phi 12$	YGC-Exd13□1601□□ ^①
	16-03	3× $\phi 5.75$	YGC-Exd13□1603□□
	16-04	4× $\phi 5.75$	YGC-Exd13□1604□□
	16-05	5× $\phi 3.6$	YGC-Exd13□1605□□
	16-07	7× $\phi 2.4$	YGC-Exd13□1607□□
	16-10	10× $\phi 2.4$	YGC-Exd13□1610□□
	16-16	16× $\phi 2.4$	YGC-Exd13□1616□□
	16-20	20× $\phi 2.4$	YGC-Exd13□1620□□

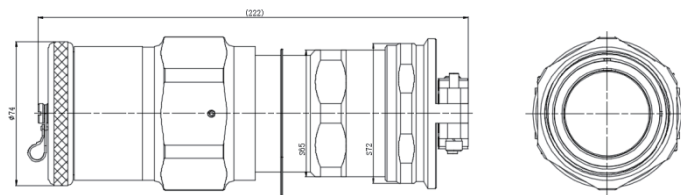
■YGC-Exd13□1601□□

Code	Meaning
A	Aluminum alloy oxidation
S	Passivation of stainless steel

Code	Meaning
P	pin
S	Socket

Code	Adapt cable outer diameter
08	$\Phi 8\sim 11$
11	$\Phi 11\sim 14$
14	$\Phi 14\sim 17$
17	$\Phi 17\sim 20$
20	$\Phi 20\sim 24$
24	$\Phi 24\sim 29$
29	$\Phi 29\sim 34$

Note: ① The model has five color rings: red, yellow, blue, green and white (default yellow color ring). Add "(color)" at the end of the model during model selection. For example, YGC-Exd13 □ 1601 □ □ (red) indicates that the shell of the model has red color ring.



■ YGC-Exd13□2001 □ □

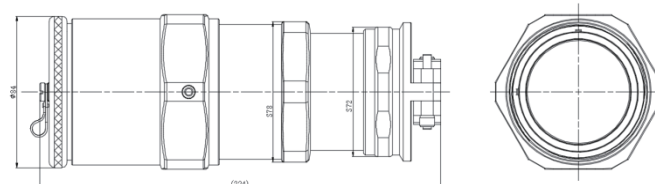
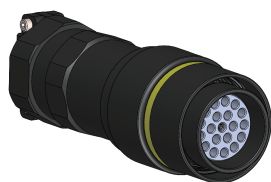
Code	Meaning
A	Aluminum alloy oxidation
S	Passivation of stainless steel

Code	Meaning
P	pin
S	Socket

Code	Adapt cable outer diameter
19	Φ19~24
24	Φ24~27
27	Φ27~31
31	Φ31~35
35	Φ35~40
40	Φ40~45

Note: ① The model has five color rings: red, yellow, blue, green and white (default yellow color ring). Add "(color)" at the end of the model during model selection. For example, YGC-Exd13 □ 2001 □ □ (red) indicates that the shell of the model has red color ring.

NO. 24 housing plug



Shell NO.	Arrangement of contacts	Contact specifications	Model
24	24A-01	1× $\phi 18$	YGC-Exd13□24A01□□ ^①
	24A-51	51× $\phi 2.4$	YGC-Exd13□24A51□□
	24-01	1× $\phi 23$	*YGC-Exd13□2401□□ ^②
	24-04	4× $\phi 10$	YGC-Exd13□2404□□
	24-05	5× $\phi 9$	YGC-Exd13□2405□□
	24-05A	5× $\phi 10$	YGC-Exd13□2405A□□
	24-30	30× $\phi 2.4$	YGC-Exd13□2430□□
	24-22	22× $\phi 3$	YGC-Exd13□2422□□
	24-60	60× $\phi 2.4$	YGC-Exd13□2460□□

■YGC-Exd13□2401□□

Code	Meaning
A	Aluminum alloy oxidation
S	Passivation of stainless steel

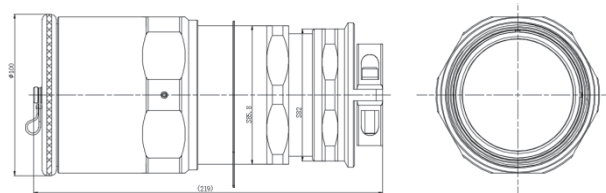
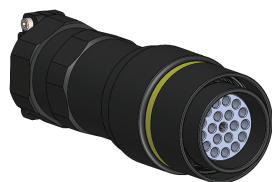
Code	Meaning
P	pin
S	Socket

Code	Adapt cable outer diameter
21	$\Phi 21 \sim 24$
24	$\Phi 24 \sim 29$
29	$\Phi 29 \sim 34$
34	$\Phi 34 \sim 39$
39	$\Phi 39 \sim 45$

Note: ① The model has five color rings: red, yellow, blue, green and white (default yellow color ring). Add "(color)" at the end of the model during model selection. For example, YGC-Exd13□24A01□□ (red) indicates that the shell of the model has red color ring.

② The model has five color rings: red, yellow, blue, green and white (default yellow color ring). Add "(color)" at the end of the model during model selection. For example, YGC-Exd13□2401□□ (red) indicates that the shell of the model has red color ring.

NO. 28 housing plug



Shell NO.	Arrangement of contacts	Contact specifications	Model
28	28-71	71× $\phi 2.4$	YGC-Exd13□2871□□

■YGC-Exd13□2871□□

Code	Meaning
A	Aluminum alloy oxidation
S	Passivation of stainless steel

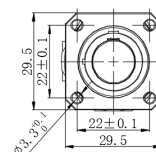
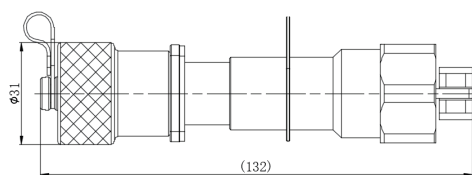
Code	Meaning
P	pin
S	Socket

Code	Adapt cable outer diameter
45	$\Phi 45 \sim 50$
50	$\Phi 50 \sim 55$
55	$\Phi 55 \sim 60$

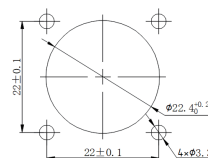
3 EXPLOSION-PROOF SERIES CONNECTOR

Overall dimensions of square plate mobile socket

NO.04 housing square plate mobile socket



Recommended
installation dimensions:



Shell NO.	Arrangement of contacts	Contact specifications	Model
04	04-03	3 × Φ1.6	YGC-Exd15□0403□□
	04-05	5 × Φ1.6	YGC-Exd15□0405□□

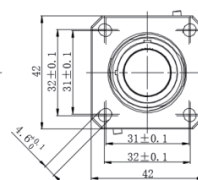
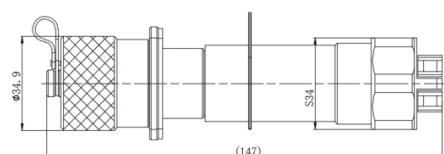
■ YGC-Exd15□0403 □ □

Code	Meaning
A	Aluminum alloy oxidation
S	Passivation of stainless steel

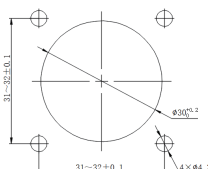
Code	Meaning
P	pin
S	Socket

Code	Adapt cable outer diameter
05	Φ5~8
08	Φ8~11
11	Φ11~14

NO.08 housing square plate mobile socket



Recommended
installation dimensions:



Shell NO.	Arrangement of contacts	Contact specifications	Model
08	08-RJ45	/	YGC-Exd15□08RJ45□□
	08-03	3 × Φ2.4	YGC-Exd15□0803□□
	08-04	4 × Φ2.4	YGC-Exd15□0804□□
	08-10	10 × Φ1.6	YGC-Exd15□0810□□
	08-12	12 × Φ1.6	YGC-Exd15□0812□□

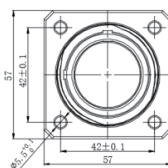
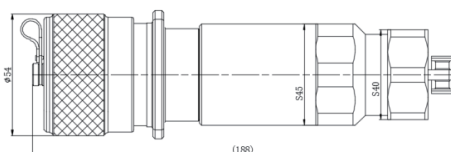
■ YGC-Exd15□0803 □ □

Code	Meaning
A	Aluminum alloy oxidation
S	Passivation of stainless steel

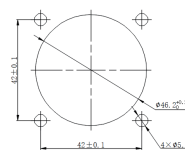
Code	Meaning
P	pin
S	Socket

Code	Adapt cable outer diameter
04	Φ4~8
08	Φ8~11
11	Φ11~14
14	Φ14~17

NO.12 housing square plate mobile socket



Recommended installation dimensions:



Shell NO.	Arrangement of contacts	Contact specifications	Model
12	12-03	3×Φ2.4	YGC-Exd15□1203□□
	12-04	4×Φ2.4	YGC-Exd15□1204□□
	12-03A	3×Φ3.2	YGC-Exd15□1203A□□
	12-04A	4×Φ3.2	YGC-Exd15□1204A□□

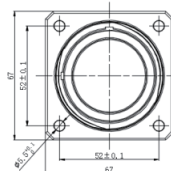
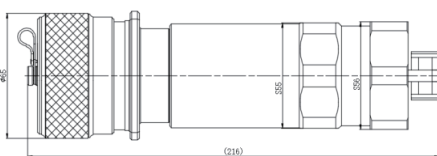
■ YGC-Exd15□1203 □ □

Code	Meaning
A	Aluminum alloy oxidation
S	Passivation of stainless steel

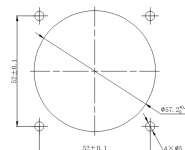
Code	Meaning
P	pin
S	Socket

Code	Adapt cable outer diameter
08	Φ8~11
11	Φ11~14
14	Φ14~17
17	Φ17~20

NO.16 housing square plate mobile socket



Recommended installation dimensions:



Shell NO.	Arrangement of contacts	Contact specifications	Model
16	16-01	1×φ12	YGC-Exd15□1601□□ ^①
	16-03	3×φ5.75	YGC-Exd15□1603□□
	16-04	4×φ5.75	YGC-Exd15□1604□□
	16-05	5×φ3.6	YGC-Exd15□1605□□
	16-07	7×φ2.4	YGC-Exd15□1607□□
	16-10	10×φ2.4	YGC-Exd15□1610□□
	16-16	16×φ2.4	YGC-Exd15□1616□□
	16-20	20×φ2.4	YGC-Exd15□1620□□

■ YGC-Exd15□1601 □ □

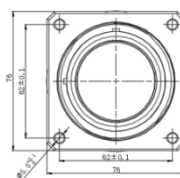
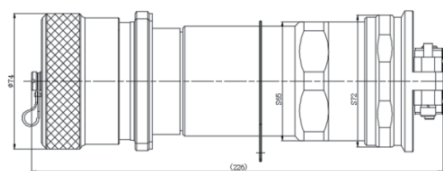
Code	Meaning
A	Aluminum alloy oxidation
S	Passivation of stainless steel

Code	Meaning
P	pin
S	Socket

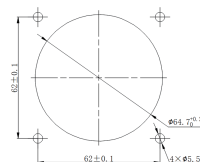
Code	Adapt cable outer diameter
08	Φ8~11
11	Φ11~14
14	Φ14~17
17	Φ17~20
20	Φ20~24
24	Φ24~29
29	Φ29~34

Note: ① The model has five color rings: red, yellow, blue, green and white (default yellow color ring). Add "(color)" at the end of the model during model selection. For example, YGC-Exd15 □ 1601 □ □ (red) indicates that the shell of the model has red color ring.

NO.20 housing square plate mobile socket



Recommended
installation dimensions:



Shell NO.	Arrangement of contacts	Contact specifications	Model
20	20-01	1×φ18	YGC-Exd15□2001□□ ^①
	20-04	4×φ9	YGC-Exd15□2004□□
	20-05	5×φ5.75	YGC-Exd15□2005□□
	20-25	25×φ2.4	YGC-Exd15□2025□□
	20-31	31×φ2.4	YGC-Exd15□2031□□

■ YGC-Exd15□2001 □ □

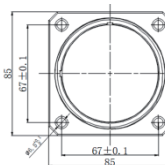
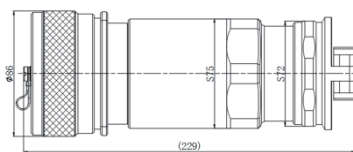
Code	Meaning
A	Aluminum alloy oxidation
S	Passivation of stainless steel

Code	Meaning
P	pin
S	Socket

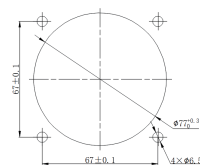
Code	Adapt cable outer diameter
19	Φ19~24
24	Φ24~27
27	Φ27~31
31	Φ31~35
35	Φ35~40
40	Φ40~45

Note: ① The model has five color rings: red, yellow, blue, green and white (default yellow color ring). Add "(color)" at the end of the model during model selection. For example, YGC-Exd15 ☐ 2001 ☐ ☐ (red) indicates that the shell of the model has red color ring.

NO.24A housing square plate mobile socket



Recommended
installation dimensions:



Shell NO.	Arrangement of contacts	Contact specifications	Model
24A	24A-01	1×φ18	YGC-Exd15□24A01□□ ^①
	24A-51	51×φ2.4	YGC-Exd15□24A51□□

■ YGC-Exd15 □ 2401 □ □

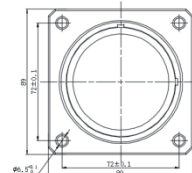
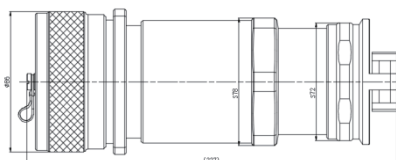
Code	Meaning
A	Aluminum alloy oxidation
S	Passivation of stainless steel

Code	Meaning
P	pin
S	Socket

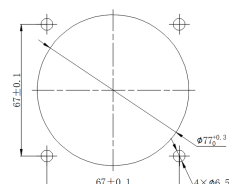
Code	Adapt cable outer diameter
21	Φ21~24
24	Φ24~29
29	Φ29~34
34	Φ34~39
39	Φ39~45

Note: ① The model has five color rings: red, yellow, blue, green and white (default yellow color ring). Add "(color)" at the end of the model during model selection. For example, YGC-Exd15 □ 24A01 □ □ (red) indicates that the shell of the model has red color ring.

NO.24 housing square plate mobile socket



Recommended
installation dimensions:



Shell NO.	Arrangement of contacts	Contact specifications	Model
24	24-01	1×φ23	YGC-Exd15□2401□□ ^②
	24-04	4×φ10	YGC-Exd15□2404□□
	24-05	5×φ9	YGC-Exd15□2405□□
	24-05A	5×φ10	YGC-Exd15□2405A□□
	24-30	30×φ2.4	YGC-Exd15□2430□□
	24-22	22×φ3	YGC-Exd15□2422□□
	24-60	60×φ2.4	YGC-Exd15□2460□□

■ YGC-Exd15 □ 2401 □ □

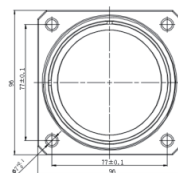
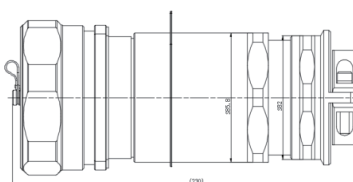
Code	Meaning
A	Aluminum alloy oxidation
S	Passivation of stainless steel

Code	Meaning
P	pin
S	Socket

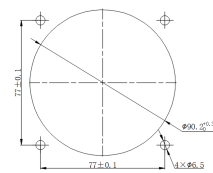
Code	Adapt cable outer diameter
21	Φ21~24
24	Φ24~29
29	Φ29~34
34	Φ34~39
39	Φ39~45

Note: ① The model has five color rings: red, yellow, blue, green and white (default yellow color ring). Add "(color)" at the end of the model during model selection. For example, YGC-Exd15 □ 2401 □ □ (red) indicates that the shell of the model has red color ring.

NO.28 housing square plate mobile socket



Recommended
installation dimensions:



Shell NO.	Arrangement of contacts	Contact specifications	Model
28	28-71	71×φ2.4	YGC-Exd15□2871□□

■ YGC-Exd15 □ 2871 □ □

Code	Meaning
A	Aluminum alloy oxidation
S	Passivation of stainless steel

Code	Meaning
P	pin
S	Socket

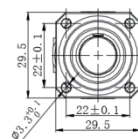
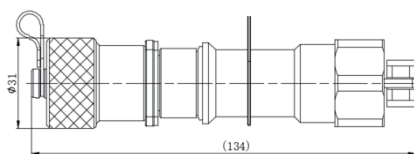
Code	Adapt cable outer diameter
45	Φ45~50
50	Φ50~55
55	Φ55~60

3 EXPLOSION-PROOF SERIES CONNECTOR

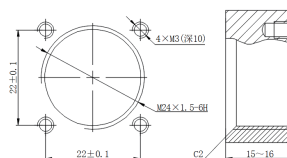
四川永贵科技有限公司 <https://www.yonggui-sc.com/>

Outline dimensions of explosion-proof box socket

No. 04 shell explosion-proof box socket



Recommended installation dimensions:



Shell NO.	Arrangement of contacts	Contact specifications	Model
04	04-03	3×Φ1.6	YGC-Exd19□0403□□
	04-05	5×Φ1.6	YGC-Exd19□0405□□

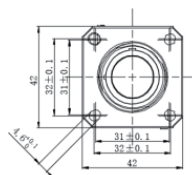
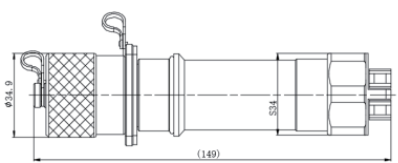
■ YGC-Exd19□0403 □ □

Code	Meaning
A	Aluminum alloy oxidation
S	Passivation of stainless steel

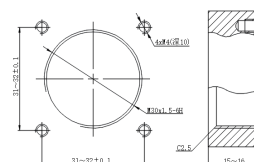
Code	Meaning
P	pin
S	Socket

Code	Adapt cable outer diameter
05	Φ5~8
08	Φ8~11
11	Φ11~14

No. 08 shell explosion-proof box socket



Recommended installation dimensions:



Shell NO.	Arrangement of contacts	Contact specifications	Model
08	08-RJ45	/	YGC-Exd19□08RJ45□□
	08-03	3×Φ2.4	YGC-Exd19□0803□□
	08-04	4×Φ2.4	YGC-Exd19□0804□□
	08-10	10×Φ1.6	YGC-Exd19□0810□□
	08-12	12×Φ1.6	YGC-Exd19□0812□□

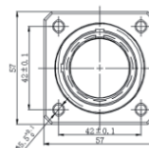
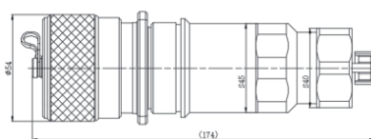
■ YGC-Exd19□0803 □ □

Code	Meaning
A	Aluminum alloy oxidation
S	Passivation of stainless steel

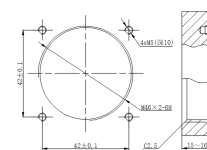
Code	Meaning
P	pin
S	Socket

Code	Adapt cable outer diameter
04	Φ4~8
08	Φ8~11
11	Φ11~14
14	Φ14~17

No. 12 shell explosion-proof box socket



Recommended installation dimensions:



Shell NO.	Arrangement of contacts	Contact specifications	Model
12	12-03	3×Φ2.4	YGC-Exd19□1203□□
	12-04	4×Φ2.4	YGC-Exd19□1204□□
	12-03A	3×Φ3.2	YGC-Exd19□1203A□□
	12-04A	4×Φ3.2	YGC-Exd19□1204A□□

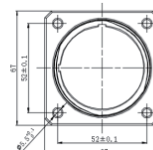
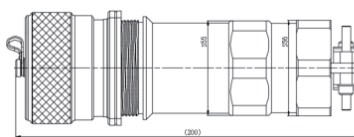
■YGC-Exd19□1203□□

Code	Meaning
A	Aluminum alloy oxidation
S	Passivation of stainless steel

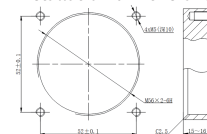
Code	Meaning
P	pin
S	Socket

Code	Adapt cable outer diameter
08	Φ8~11
11	Φ11~14
14	Φ14~17
17	Φ17~20

No. 16 shell explosion-proof box socket



Recommended installation dimensions:



Shell NO.	Arrangement of contacts	Contact specifications	Model
16	16-01	1×Φ12	YGC-Exd19□1601□□ ^①
	16-03	3×Φ5.75	YGC-Exd19□1603□□
	16-04	4×Φ5.75	YGC-Exd19□1604□□
	16-05	5×Φ3.6	YGC-Exd19□1605□□
	16-07	7×Φ2.4	YGC-Exd19□1607□□
	16-10	10×Φ2.4	YGC-Exd19□1610□□
	16-16	16×Φ2.4	YGC-Exd19□1616□□
	16-20	20×Φ2.4	YGC-Exd19□1620□□

■YGC-Exd19□1601□□

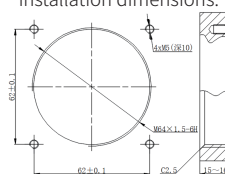
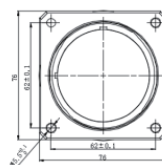
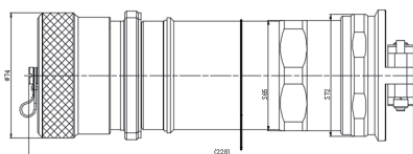
Code	Meaning
A	Aluminum alloy oxidation
S	Passivation of stainless steel

Code	Meaning
P	pin
S	Socket

Code	Adapt cable outer diameter
08	Φ8~11
11	Φ11~14
14	Φ14~17
17	Φ17~20
20	Φ20~24
24	Φ24~29
29	Φ29~34

Note: ① The model has five color rings: red, yellow, blue, green and white (default yellow color ring). Add "(color)" at the end of the model during model selection. For example, YGC-Exd19□1601□□ (red) indicates that the shell of the model has red color ring.

No. 20 shell explosion-proof box socket



Shell NO.	Arrangement of contacts	Contact specifications	Model
20	20-01	1×φ18	YGC-Exd19□2001□□ ^①
	20-04	4×φ9	YGC-Exd19□2004□□
	20-05	5×φ5.75	YGC-Exd19□2005□□
	20-25	25×φ2.4	YGC-Exd19□2025□□
	20-31	31×φ2.4	YGC-Exd19□2031□□

For Example:

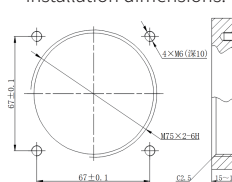
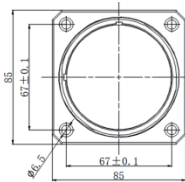
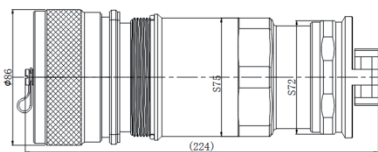
Code	Meaning
A	Aluminum alloy oxidation
S	Passivation of stainless steel

Code	Meaning
P	pin
S	Socket

Code	Adapt cable outer diameter
19	Φ19~24
24	Φ24~27
27	Φ27~31
31	Φ31~35
35	Φ35~40
40	Φ40~45

Note: ① The model has five color rings: red, yellow, blue, green and white (default yellow color ring). Add "(color)" at the end of the model during model selection. For example, YGC-Exd19 □ 2001 □ □ (red) indicates that the shell of the model has red color ring.

No. 24A shell explosion-proof box socket



Shell NO.	Arrangement of contacts	Contact specifications	Model
24A	24A-01	1×φ18	YGC-Exd19□24A01□□ ^①
	24A-51	51×φ2.4	YGC-Exd19□24A51□□

Diagram illustrating the relationship between three tables:

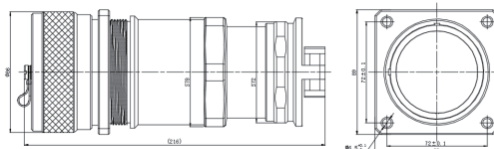
Code	Meaning
A	Aluminum alloy oxidation
S	Passivation of stainless steel

Code	Meaning
P	pin
S	Socket

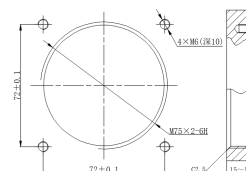
Code	Adapt cable outer diameter
21	Φ21~24
24	Φ24~29
29	Φ29~34
34	Φ34~39
39	Φ39~45

Note: ① The model has five color rings: red, yellow, blue, green and white (default yellow color ring). Add "(color)" at the end of the model during model selection. For example, YGC-Exd19 ☐ 24A01 ☐ ☐ (red) indicates that the shell of the model has red color ring.

No. 24 shell explosion-proof box socket



Recommended installation dimensions:



Shell NO.	Arrangement of contacts	Contact specifications	Model
24	24-01	1× $\phi 23$	YGC-Exd19□2401□□ ^①
	24-04	4× $\phi 10$	YGC-Exd19□2404□□
	24-05	5× $\phi 9$	YGC-Exd19□2405□□
	24-05A	5× $\phi 10$	YGC-Exd19□2405A□□
	24-30	30× $\phi 2.4$	YGC-Exd19□2430□□
	24-22	22× $\phi 3$	YGC-Exd19□2422□□
	24-60	60× $\phi 2.4$	YGC-Exd19□2460□□

■YGC-Exd19□2401□□

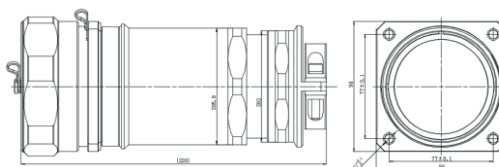
Code	Meaning
A	Aluminum alloy oxidation
S	Passivation of stainless steel

Code	Meaning
P	pin
S	Socket

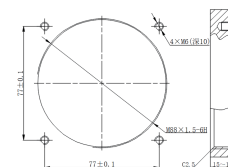
Code	Adapt cable outer diameter
21	$\phi 21 \sim 24$
24	$\phi 24 \sim 29$
29	$\phi 29 \sim 34$
34	$\phi 34 \sim 39$
39	$\phi 39 \sim 45$

Note: ① The model has five color rings: red, yellow, blue, green and white (default yellow color ring). Add "(color)" at the end of the model during model selection. For example, YGC-Exd19□2401□□ (red) indicates that the shell of the model has red color ring.

No. 28 shell explosion-proof box socket



Recommended installation dimensions:



Shell NO.	Arrangement of contacts	Contact specifications	Model
28	28-71	71× $\phi 2.4$	YGC-Exd19□2871□□

■YGC-Exd19□2871□□

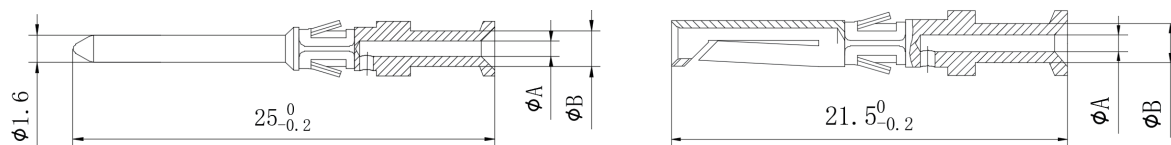
Code	Meaning
A	Aluminum alloy oxidation
S	Passivation of stainless steel

Code	Meaning
P	pin
S	Socket

Code	Code of adaptive cable	Adapt cable outer diameter
28	45	$\phi 45 \sim 50$
	50	$\phi 50 \sim 55$
	55	$\phi 55 \sim 60$

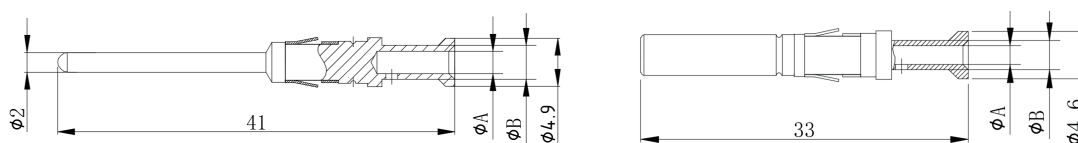
Contact specifications and matching conductor requirements (purchased separately)

Φ 1.6 contact



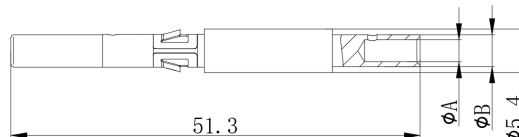
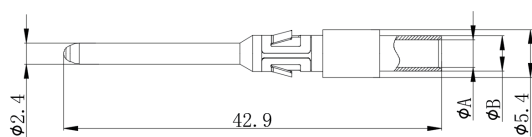
Category	Product model	Order No	Adapting wire	ΦA	ΦB	Remover	Crimp Tools
Male pin	HDC-DGMT(0.14-0.37)	115210010801	0.14-0.37mm ²	0.9	2.1	HDC-HD-CX	M22520/1-01 (DMC)
	HDC-DGMT 0.5	115210010802	0.5mm ²	1.1	2.1		
	HDC-DGMT(0.75-1.0)	115210010804	0.75-1.0mm ²	1.4	2.4		
	HDC-DGMT 1.5	115210010805	1.5mm ²	1.8	2.8		
	HDC-DGMT 2.5	115210010901	2.5mm ²	2.2	3.2		
Female pin	HDC-DGFT (0.14-0.37)	115310016101	0.14-0.37mm ²	0.9	2.1		
	HDC-DGFT 0.5	115310016102	0.5mm ²	1.1	2.1		
	HDC-DGFT (0.75-1.0)	115310016104	0.75-1.0mm ²	1.4	2.4		
	HDC-DGFT 1.5	115310016105	1.5mm ²	1.8	2.8		
	HDC-DGFT 2.5	115310016106	2.5mm ²	2.2	3.2		

Φ2 contact



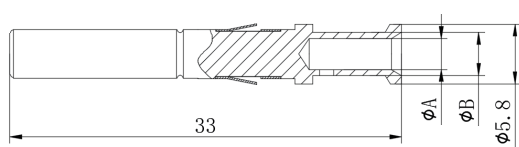
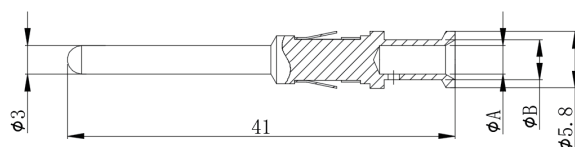
Category	Product model	Order No	Adapting wire	ΦA	ΦB	Remover	Crimp Tools
Male pin	YG186-01-03-00A/1.5	115210005201	1.5mm ²	1.8	2.8	YGC-T2	M22520/1-01 (DMC)
	YG186-01-03-00A/2.5	115210005202	2.5mm ²	2.5	3.5		
	YG186-01-03-00A/4	115210005203	4.0mm ²	3	4		
Female pin	YG186-02-03-00A/1.5	115310005401	1.5mm ²	1.8	2.8		
	YG186-02-03-00A/2.5	115310005402	2.5mm ²	2.5	3.5		
	YG186-02-03-00A/4	115310005403	4.0mm ²	3	4		

Φ2.4 contact



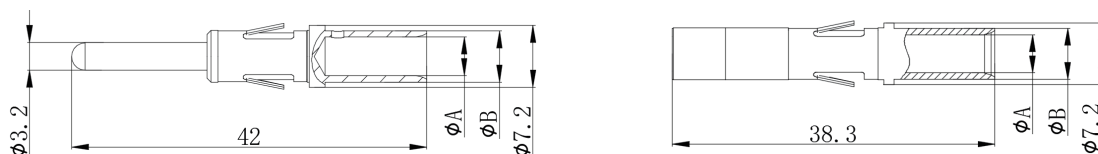
Category	Product model	Order No	Adapting wire	ΦA	ΦB	Remover	Crimp Tools
Male pin	T24WA021-H50SC	115210021801	0.5mm ²	1.1	2.1	YGC-T2.4	M22520/1-01 (DMC)
	T24WAS021-T10SC	115210021802	1mm ²	1.4	2.4		
	T24WA8021-T15SC	115210021803	1.5mm ²	1.8	2.8		
	T24WAS021-T25SC	115210021804	2.5mm ²	2.5	3.5		
	T24WAS021-T40SC	113020101492	4mm ²	2.8	4		
Female pin	T24WAC013-H50SC	115310033401	0.5mm ²	1.1	2.1		
	T24WAC013-T10SC	115310033402	1mm ²	1.4	2.4		
	T24WAC013-T15SC	115310033403	1.5mm ²	1.8	2.8		
	T24WAC013-T25SC	115310033404	2.5mm ²	2.5	3.5		
	T24WAC013-T40SC	113020602264	4mm ²	2.8	4		

Φ3 contact



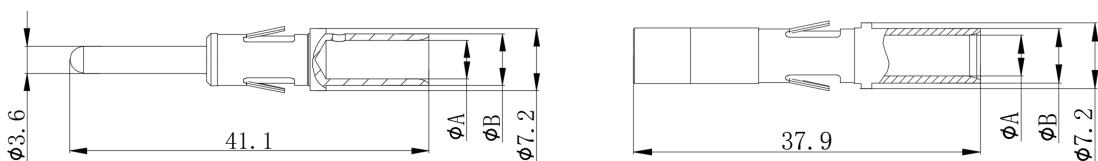
Category	Product model	Order No	Adapting wire	ΦA	ΦB	Remover	Crimp Tools
Male pin	T30WAS001-T15SC	115210005304	1.5mm ²	1.8	2.8	YGC-T3	KNIPEX four-mandrel crimping plier 97 52 65)
	T30WAS001-T25SC	115210005301	2.5mm ²	2.5	3.5		
	T30WAS001-T40SC	115210005302	4mm ²	3	4		
	T30WAS001-T60SC	115210005303	6mm ²	3.6	4.7		
Female pin	T30WAB001-T15SC	115310006104	1.5mm ²	1.8	2.8		
	T30WAB001-T25SC	115310006101	2.5mm ²	2.5	3.5		
	T30WAB001-T40SC	115310006102	4mm ²	3	4		
	T30WAB001-T60SC	115310006103	6mm ²	3.6	4.7		

Φ3.2 contact



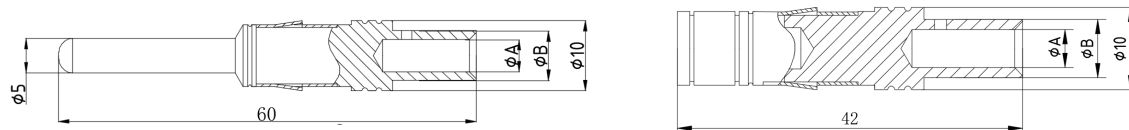
Category	Product model	Order No	Adapting wire	ΦA	ΦB	Remover	Crimp Tools
Male pin	T32WAS001-T15SC	115210021405	1.5mm ²	1.8	2.4	YGC-T3.2	KNIPEX four-mandrel crimping plier 97 52 65)
	T32WA8001-T25SC	115210021404	2.5mm ²	2.2	2.8		
	T32WAS001-T40SC	115210021403	4mm ²	2.8	3.5		
	T32WAS001-T60SC	115210021402	6mm ²	3.5	5.0		
	T32WAS001-010SC	115210021401	1mm ²	4.5	5.4		
Female pin	T32WAW001-T15SC	115310032105	1.5mm ²	1.8	2.4		
	T32WAW001-T25SC	115310032104	2.5mm ²	2.2	2.8		
	T32WAW001-T40SC	115310032103	4mm ²	2.8	3.5		
	T32WAW001-T60SC	115310032102	6mm ²	3.5	5.0		
	T32WAW001-010SC	115310032101	10mm ²	4.5	5.4		

Φ3.6 contact



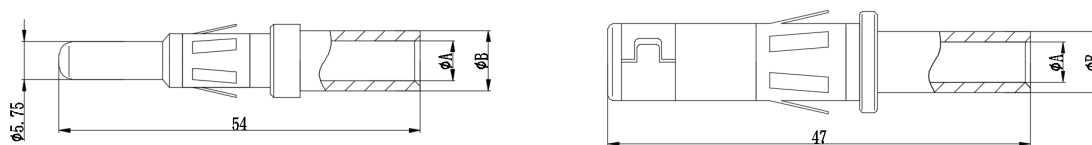
Category	Product model	Order No	Adapting wire	ΦA	ΦB	Remover	Crimp Tools
Male pin	T36WAS001-T15SC Pin	113020100246	1.5mm ²	1.8	2.4	YGC-T3.6	KNIPEX four-mandrel crimping plier 97 52 65)
	T36WAS001-T25SC Pin	113020100237	2.5mm ²	2.2	2.8		
	T36WAS001-T40SC Pin	113020100245	4mm ²	2.8	3.5		
	T36WAS001-T60SC Pin	113020100236	6mm ²	3.5	5.0		
	T36WAS001-010SC Pin	113020100580	10mm ²	4.5	5.4		
Female pin	T36WAW001-T15SC Socket	113020600366	1.5mm ²	1.8	2.4		
	T36WAW001-T25SC Socket	113020600356	2.5mm ²	2.2	2.8		
	T36WAW001-T40SC Socket	113020600365	4mm ²	2.8	3.5		
	T36WAW001-T60SC Socket	113020600344	6mm ²	3.5	5.0		
	T36WAW001-010SC Socket	113020600770	10mm ²	4.5	5.4		

Φ5 contact



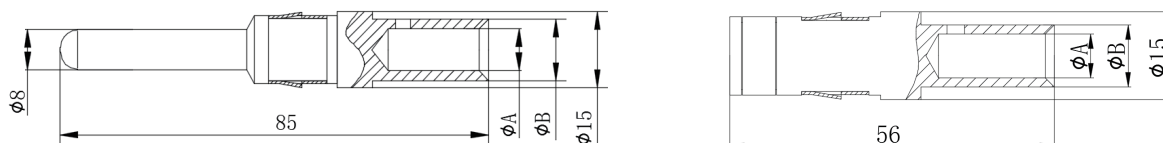
Category	Product model	Order No	Adapting wire	ΦA	ΦB	Remover	Crimp Tools
Male pin	YG186-01-03-00C/4	115210004304	4mm ²	2.8	4	YGC-T5	EK60/22L
	YG186-01-03-00C/6	115210004301	6mm ²	3.5	6		
	YG186-01-03-00C/10	115210004302	10mm ²	4.5	7		
	YG186-01-03-00C/16	115210004303	16mm ²	5.7	8.5		
Female pin	T50WAB002-T40SC	115310006201	4mm ²	2.8	4		
	T50WAB002-T60SC	115310006202	6mm ²	3.5	6		
	T50WAB002-010SC	115310006203	10mm ²	4.5	7		
	T50WAB002-016SC	115310006204	16mm ²	5.7	8.5		

Φ5.75 contact



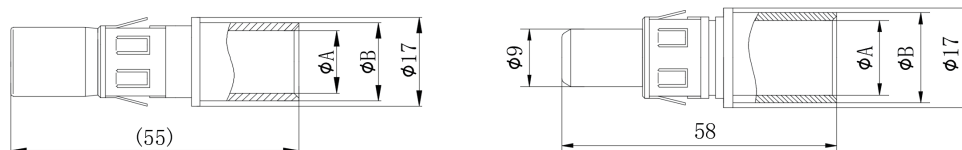
Category	Product model	Order No	Adapting wire	ΦA	ΦB	Remover	Crimp Tools
Male pin	T57WAS002-T60SC	113020100207	6mm ²	3.5	5	YGC-T5	EK60/22L
	T57WAS002-010SC	113020100195	10mm ²	4.6	6.6		
	T57WAS003-016SC	113020100328	16mm ²	6	9		
	T57WAS003-025SC	113020100196	25mm ²	7.6	11		
Female pin	T57WAB003-T60SC	113020600315	6mm ²	3.5	5		
	T57WAB003-010SC	113020600303	10mm ²	4.6	6.6		
	T57WAB003-016SC	113020600467	16mm ²	6	9		
	T57WAB003-025SC	113020600304	25mm ²	7.6	11		

Φ8 contact



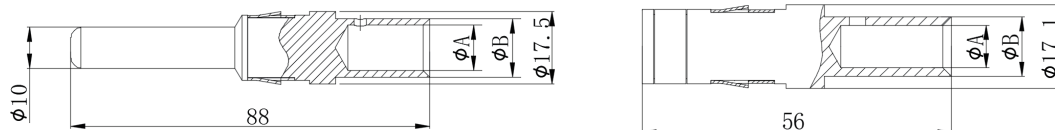
Category	Product model	Order No	Adapting wire	ΦA	ΦB	Remover	Crimp Tools
Male pin	T80WAS005-016SC	115210004404	16mm ²	5.8	8.5	YGC-T8	EK60/22L
	T80WAS005-025SC	115210004401	25mm ²	7.5	11		
	T80WAS005-035SC	115210004402	35mm ²	8.5	12		
	T80WAS005-050SC	115210004403	50mm ²	10.5	14		
Female pin	YG186-02-02-00D/16	115310006402	16mm ²	5.8	8.5		
	YG186-02-02-00D/25	115310006403	25mm ²	7.5	11		
	YG186-02-02-00D/35	115310006404	35mm ²	8.5	12		
	YG186-02-02-00D/50	115310006405	50mm ²	10.5	14		

Φ9 contact



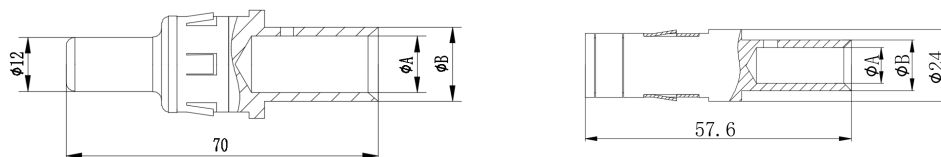
Category	Product model	Order No	Adapting wire	ΦA	ΦB	Remover	Crimp Tools
Male pin	Reserve	Reserve	25mm ²			YGC-T9	EK60/22L
	Reserve	Reserve	35mm ²				
	T90WAS003-050SC Pin	113020100608	50mm ²	10.5	14		
	T90WAS005-070SC Pin	113020100342	70mm ²	12	15		
Female pin	Reserve	Reserve	25mm ²				
	Reserve	Reserve	35mm ²				
	YG644 Socket	113020600826	50mm ²	10.5	14		
	YG644 Socket	113020600488	70mm ²	12	15		

Φ10 contact



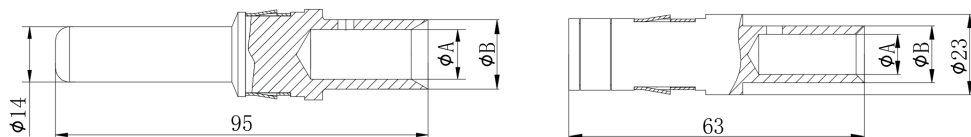
Category	Product model	Order No	Adapting wire	ΦA	ΦB	Remover	Crimp Tools
Male pin	Reserve	Reserve	25mm ²	7.5	11	YGC-T10	EK60/22L
	Reserve	Reserve	35mm ²	8.5	12		
	010WAS004-050SC	115210005501	50mm ²	11	14.2		
	010WAS004-070SC	115210005502	70mm ²	13	16.5		
Female pin	010WAB003-025SC	115310007102	25mm ²	7.5	11		
	010WAB003-035SC	115310007105	35mm ²	8.5	12		
	010WAB003-050SC	115310007103	50mm ²	11	14.2		
	010WAB003-070SC	115310007104	70mm ²	13	16.5		

Φ12 contact



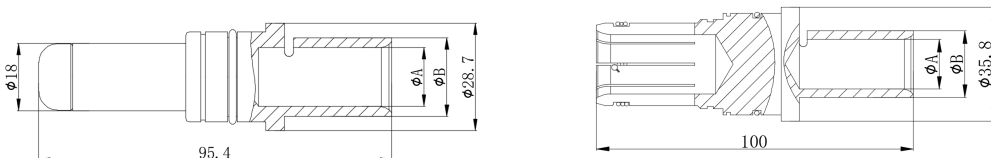
Category	Product model	Order No	Adapting wire	ΦA	ΦB	Remover	Crimp Tools
Male pin	YG186 Pin	113020100675	50mm ²	10.5	14	YGC-T12	EK60/22L
	YG186 Pin	113020100470	70mm ²	12.5	16.5		
	YG186 Pin	113020100471	95mm ²	14.5	18.5		
	YG186 Pin	113020100469	120mm ²	16	21		
Female pin	YG186 Socket	113020600954	50mm ²	10.5	14		
	YG186 Socket	113020600621	70mm ²	12.5	16.5		
	YG186 Socket	113020600620	95mm ²	14.5	18.5		
	YG186 Socket	113020600618	120mm ²	16	21		

Φ14 contact



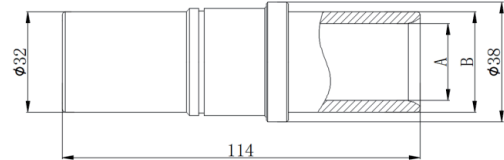
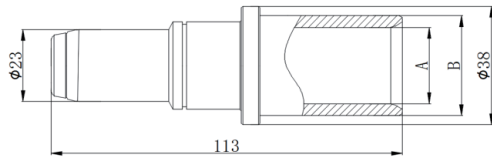
Category	Product model	Order No	Adapting wire	ΦA	ΦB	Remover	Crimp Tools
Male pin	014WAS001-070SC Pin	115210006701	70mm ²	12.5	16.5	YGC-T12	EK60/22L
	014WAS001-095SC Pin	115210006702	95mm ²	14.5	18.5		
	014WAS001-120SC Pin	113020100243	120mm ²	16	21		
Female pin	YG186FA Socket	115310008101	70mm ²	12.5	16.5		
	YG186FA Socket	115310008102	95mm ²	14.5	18.5		
	YG186FA Socket	113020600358	120mm ²	16	21		

Φ18 contact



Category	Product model	Order No	Adapting wire	ΦA	ΦB	Remover	Crimp Tools
Male pin	018KQS002-120SC	115210021301	120mm ²	15.7	21	External tension plier	EK120/42L
	018KQS002-150SC	115210021302	150mm ²	17.2	23.5		
	018KQS002-185SC	115210021303	185mm ²	19.3	25.5		
	018KQS002-240SC	115210021304	240mm ²	21.8	29		
Female pin	018KQB001-120SC	115310032001	120mm ²	15.7	21		
	018KQB001-150SC	115310032002	150mm ²	17.2	23.5		
	018KQB001-185SC	115310032003	185mm ²	19.3	25.5		
	018KQB001-240SC	115310032004	240mm ²	21.8	29		

Φ23 contact

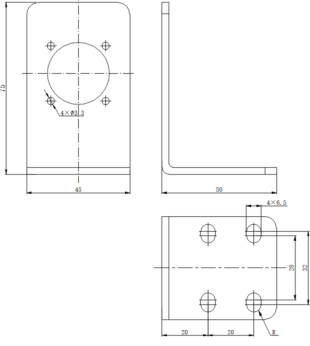
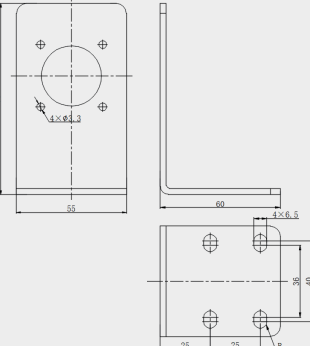
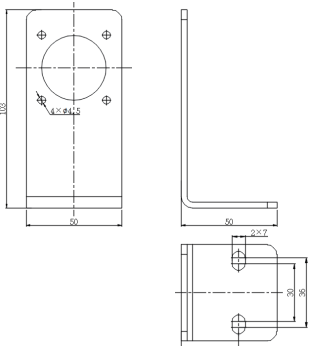
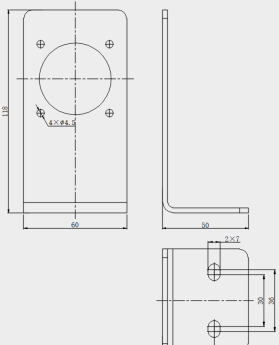


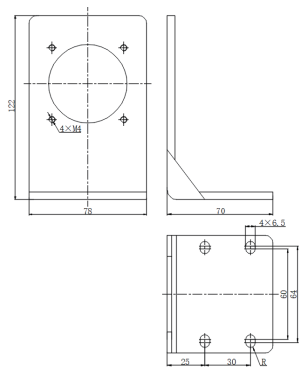
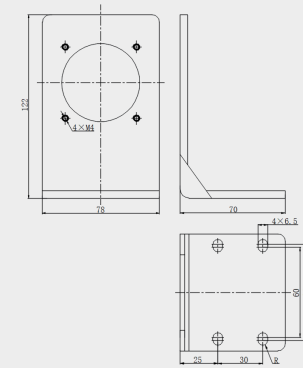
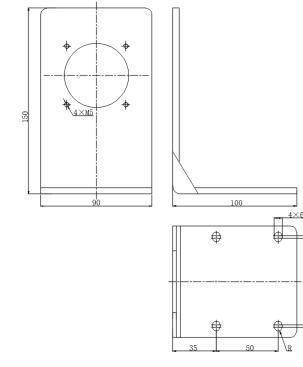
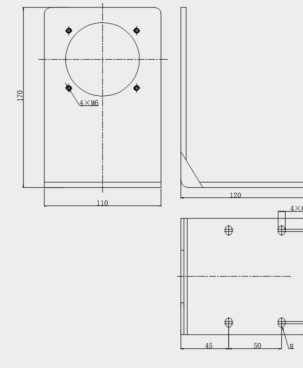
Category	Product model	Order No	Adapting wire	ΦA	ΦB	Remover	Crimp Tools
Male pin	023KQS002-240SC	115210021001	240mm ²	24.5	32	External tension plier	EK120/42L
	023KQS002-300SC	115210021002	300mm ²	26.5	34		
	023KQS002-360SC	115210021003	360mm ²	29	36		
	023KQS002-400SC	115210021004	400mm ²	31	38		
Female pin	023KQR001-240SC	115310031601	240mm ²	24.5	32		
	023KQR001-300SC	115310031602	300mm ²	26.5	34		
	023KQR001-360SC	115310031603	360mm ²	29	36		
	023KQR001-400SC	115310031604	400mm ²	31	38		

5 MOUNTING RACK

Mounting rack

Increased safety square plate mobile socket mounting rack

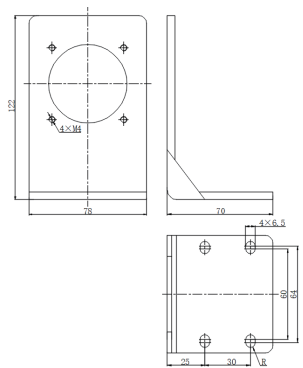
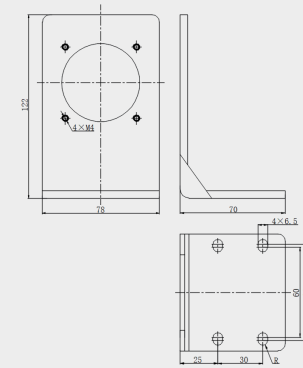
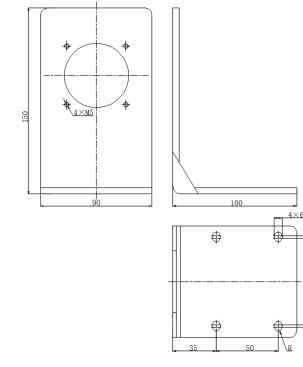
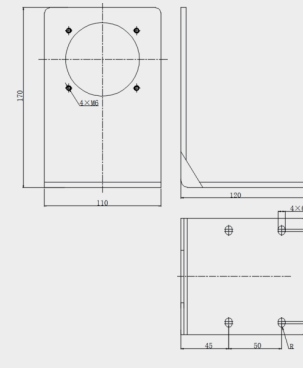
Number	Shell No	Mounting frame model	Order No	Recommended installation opening size of explosion-proof box socket
1	06	YG1544-6# fixed support	114030100504	
2	08	YG1544-8# fixed support	114030100505	
3	10	YG1544-10# fixed support	114030100501	
4	12	YG1544-12# fixed support	114030100502	

Number	Shell No	Mounting frame model	Order No	Recommended installation opening size of explosion-proof box socket
5	14	YG1544-14# fixed support	114030100506	
6	16	YG1544-16# fixed support	114030100507	
7	20	YG1544-20# fixed support	114030100508	
8	28	YG1544-28# fixed support	114030100509	

5 MOUNTING RACK

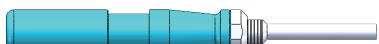
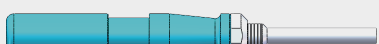
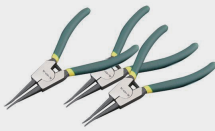
Explosion-proof square plate mobile socket mounting rack

Number	Shell No	Mounting frame model	Order No	Recommended installation opening size of explosion-proof box socket
1	04	YG1574-4# fixed support	114030100510	
2	08	YG1574-8# fixed support	114030100511	
3	12	YG1574-12# fixed support	114030100512	
4	16	YG1574-16# fixed support	114030100513	

Number	Shell No	Mounting frame model	Order No	Recommended installation opening size of explosion-proof box socket
5	20	YG1574-20# fixed support	114030100514	
6	24A	YG1574-24A# fixed support	114030100515	
7	24	YG1574-24# fixed support	114030100516	
8	28	YG1574-28# fixed support	114030100517	

6 APPENDIX I

Needle withdrawing tool

Number	Contact specifications	Model	Pic
1	Φ1.6 contact	HDC-HD-CX	
2	Φ2 contact	YGC-T2	
3	Φ2.4 contact	YGC-T2.4	
4	Φ3 contact	YGC-T3	
5	Φ3.2 contact	YGC-T3.2	
6	Φ3.6 contact	YGC-T3.6	
7	Φ5 contact	YGC-T5	
8	Φ5.75 contact		
9	Φ8 contact	YGC-T8	
10	Φ9 contact	YGC-T9	
11	Φ10 contact	YGC-T10	
12	Φ12 contact	YGC-T12	
13	Φ14 contact		
14	Φ18 contact	Assembly: internal caliper Disassembly: external tensioning pliers	 
15	Φ23 contact	Assembly: internal caliper Disassembly: external tensioning pliers	

Crimp Tool

Number	Series	Pressing wire diameter	Model	Order No
1		0.34~4mm ²	M22520/1-01(DMC)	531030600020
2		0.34~10mm ²	KNIPLEX(97 52 65)	531030600052
3	  	6-120mm ² To be used with crimping tooling	0.EK60/22	531030600010
		Code	Name	
		531030600074	EK60/22 Six-side belt point press die 6mm ²	
		531030600075	EK60/22 Six-side belt point press die 10mm ²	
		531030600076	EK60/22 Six-side belt point press die 16mm ²	
		531030600077	EK60/22 Six-side belt point press die 25mm ²	
		531030600078	EK60/22 Six-side belt point press die 35mm ²	
		531030600079	EK60/22 Six-side belt point press die 50mm ²	
		531030600066	EK60/22 Six-side belt point press die 70mm ²	
		531030600067	EK60/22 Six-side belt point press die 95mm ²	
		531030600068	EK60/22 Six-side belt point press die 120mm ²	
4	  	150-240mm ² To be used with crimping tooling	EK120/42L	531030600100
		Code	Name	
		531030600069	EK120/42 Six-side belt point press die 150mm ²	
		531030600070	EK120/42 Six-side belt point press die 185mm ²	
		531030600071	EK120/42 Six-side belt point press die 240mm ²	
			EK120/42 Six-side belt point press die 300mm ²	
			EK120/42 Six-side belt point press die 360mm ²	
			EK120/42 Six-side belt point press die 400mm ²	

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