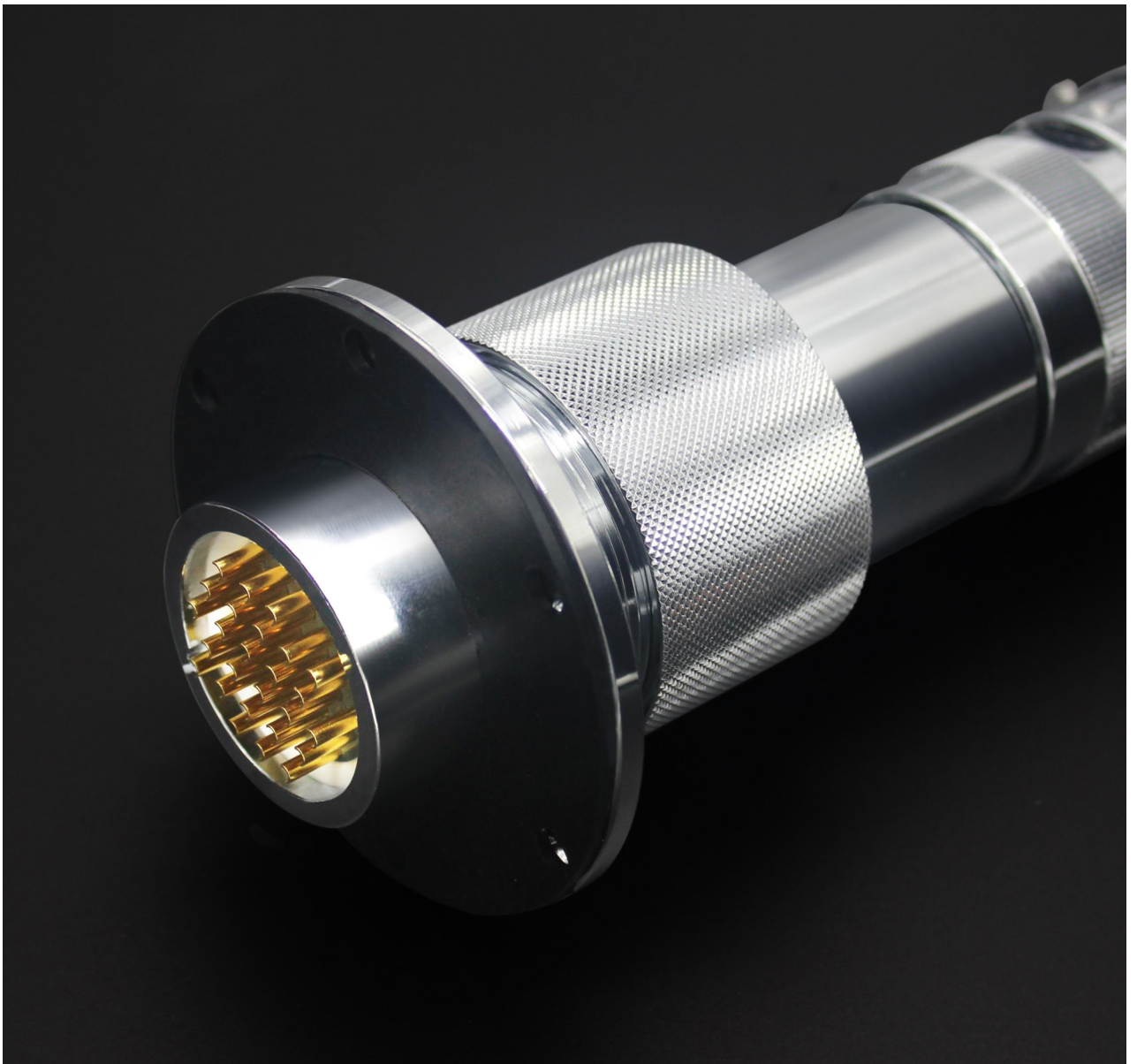


EXPLOSION-PROOF CONNECTORS





Shenzhen Anknor Technology Co., Ltd. (ANKNOR) is a wholly-owned subsidiary of MOFLON, a global manufacturer of high-end precision rotary connectors. ANKNOR focuses on the research, development, production, and sales of high-precision connector products, committed to providing customized and highly reliable connection solutions for global customers.

MOFLON, with its factory located in Shajing, Shenzhen, employs over 500 people and has an annual sales revenue exceeding 300 million RMB. With a 20,000 square meter high-tech factory, MOFLON is dedicated to high-end manufacturing, driving industry development with high-quality products. Its products are widely exported to developed countries in Europe, America, and Japan, and have entered the European and American aerospace and military industries. MOFLON has established long-term and friendly cooperative relationships with many internationally renowned brands. Over 60% of its products are customized, widely used in robotics, CCTV camera systems, packaging machinery, medical instruments, and automation systems. The company has also obtained ISO 9001, UL, CE, and other relevant certifications.

Leveraging the strong resources of its parent company, ANKNOR can undertake highly demanding and complex special customization needs, continuing the parent company's advantage of over 60% customized product sales. Its products include standard and customized high-precision conductive slip rings and standard and customized industrial connectors, possessing characteristics such as high precision, high stability, and strong adaptability, with performance comparable to international advanced levels.

ANKNOR's products are applied in various high-end fields, including aerospace, marine, military, robotics, automotive, medical instruments, intelligent manufacturing, automation systems, weaponry, railways, oil exploration, wind power generation, and agricultural informatization.

In the future, ANKNOR will use its parent company's technological expertise as a solid foundation, with innovation as its core driving force, to build a benchmark brand in its niche market, creating more valuable connection solutions for global customers and jointly exploring new opportunities in the industry

Office environment



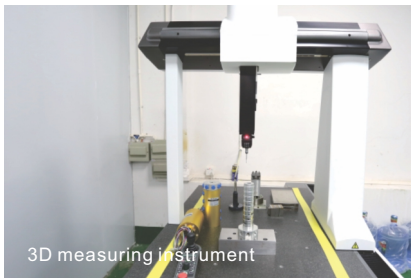
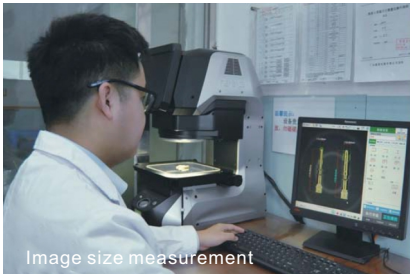
PRECISE

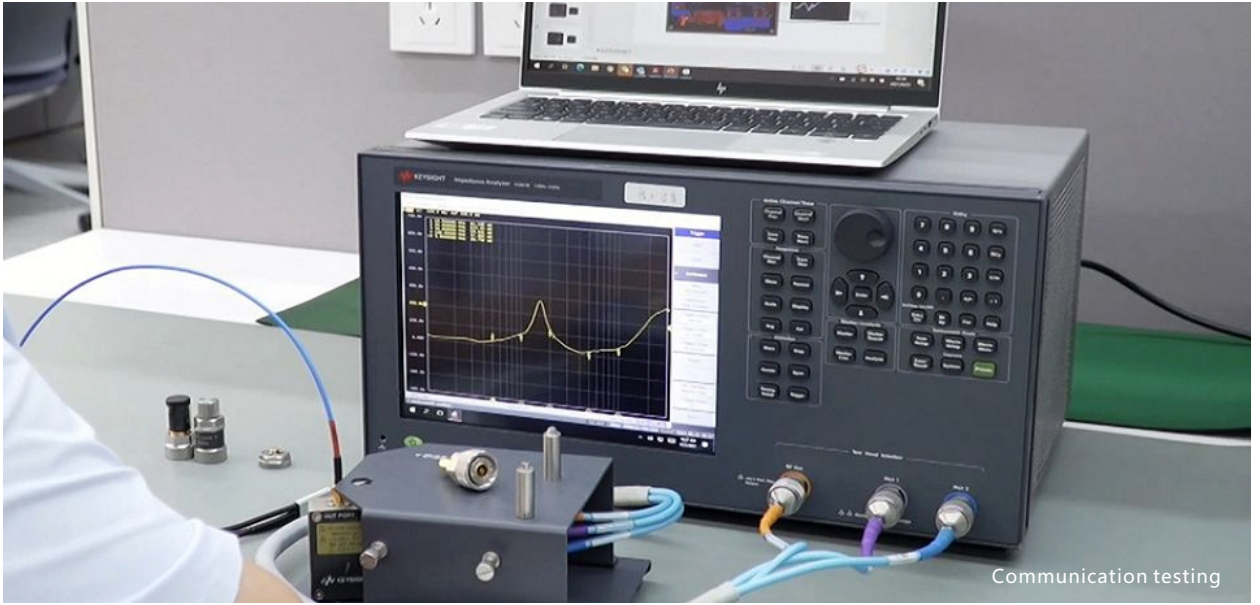
Precise Production Control, High Quality and Efficiency



QUALITY

Rigorous testing ensures product quality





HONOR

Honors and Qualifications



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Exe Increased Safety Series

Product Introduction

The Exc type increased safety flame-retardant electrical connector is an environmentally resistant, explosion-proof, and flame-retardant electrical connector, suitable for applications involving explosive hazardous gases and other situations requiring dustproof, waterproof, and flame-retardant measures. It finds widespread use in power and signal transmission in the fields of oil, natural gas, and coal mining exploration and drilling.



The pictures are for reference only

Features

- Complies with GB3836.1-2010 "Explosive Atmospheres Part 1: Equipment - General Requirements"
- Complies with GB3836.3-2010 "Explosive Atmospheres Part 3: Equipment Protected by Increased Safety Type 'e'"
- Suitable for electrical connections between equipment and cables in harsh environments such as damp or water-soaked conditions
- IP66 protection level
- The plug and socket termination method can be either soldering or crimping, which is up to the user to decide
- The crimp contact utilizes a highly reliable double-curved wire spring socket, ensuring smooth insertion and extraction of the connector and low contact resistance
- The plug and socket can be equipped with either pins or holes, and the crimp contacts can be removable Threaded quick connection
- The five-key positioning features blind insertion and error-proof insertion capabilities
- The installation methods of sockets include square plate type and mobile type

Environmental performance

Ambient temperature	-40°C~ +60°C
Relative humidity	90%~95%
Protection level	IP67 (customer guarantee for installation)
Explosion-proof area	Areas 1 and 2 use environments containing explosive gases of Class IA, IB, and IC with T6 temperature group.

Mechanical parameters

Shell material	Stainless steel 316L
Insulator	Thermoplastic material
Sealing rubber ring	Flame-retardant rubber
Contact material	Gold plating on copper alloy
Mechanical lifespan	500 times
Explosion-proof grade	Ex eb IIC T6 Gb

Rated working voltage

Condition	Operating voltage (V)		Sea level (V)	
	Usage level I	Usage level II	Usage level I	Usage level II
Sea level	300V	600V	800V	1500V
21336m	100V	300V	250V	375V

Note: Except for 0807, 0810, and 1010, which are of use level I, the others are of use level II.
Insulation resistance: not less than 3000MQ

Welding contact specifications

Contact specifications(mm)	Rated operating current(A)	Contact resistance (mΩ)	Inner diameter of bonding wire loop
Φ0.8	3	≤7	Φ1.0
Φ0.8	5	≤5	Φ1.3
Φ0.8	10	≤3	Φ1.7
Φ0.8	20	≤1.5	Φ2.0
Φ0.8	25	≤1.5	Φ2.5
Φ0.8	40	≤1.0	Φ3.0
Φ0.8	50	≤1.0	Φ3.5

Exn Non-Sparking Series

Product Introduction

The Exn type spark free flame-retardant electrical connector is an environmentally resistant explosion-proof flame-retardant electrical connector, mainly used for power and signal transmission in hazardous areas such as Zone 2 electrical control systems, auxiliary power systems, and well electrical systems.



The pictures are for reference only

Features

- Suitable for electrical connection between equipment and cables in harsh environments such as damp or rain-soaked conditions
- Complies with GB3836.1-2010 "Explosive Atmospheres Part 1: Equipment - General Requirements"
- Complies with GB3836.8-2010 "Explosive Atmospheres Part 8: Equipment Protected by Non-Sparking Type 'n'"
- IP66 protection level
- The plug and socket connection method can be either soldering or crimping, which is up to the user to decide
- The crimp contact utilizes a highly reliable double-curved wire spring socket to ensure smooth insertion and extraction of the connector, resulting in low contact resistance
- The plug and socket can be equipped with either pins or holes, and the contact elements can be removable
- Threaded quick connection
- The five-key positioning feature incorporates blind insertion and error-proofing capabilities
- The installation methods of sockets include mobile and fixed types

Environmental performance

Ambient temperature	-55°C~ +60°C
Relative humidity	90%~95%
Protection level	IP67 (Customer guarantee for installation)
Explosion-proof area	For use in Zone 2 locations, environments containing Class II A explosive gases in the T4 temperature group.

Mechanical parameters

Shell material	High strength aluminum alloy, stainless steel 316L
Insulator	Thermoplastic materials
Sealing rubber ring	Flame retardant rubber
Contact material	Copper alloy gold plating
Mechanical lifespan	500 times
Explosion-proof grade	Ex nA IIA T4 Gc

Rated working voltage

Condition	Operating voltage (V)		Sea level (V)	
	Usage level I	Usage level II	Usage level I	Usage level II
Sea level	300V	600V	800V	1500V
21336m	100V	300V	250V	375V

Note: Except for 0807, 0810, and 1010, which are of use level I, the others are of use level II.
Insulation resistance: not less than 3000MQ

Welding contact specifications

Contact specifications(mm)	Rated operating current(A)	Contact resistance (mΩ)	Inner diameter of bonding wire loop
Φ0.8	3	≤7	Φ1.0
Φ1	5	≤5	Φ1.3
Φ1.5	10	≤3	Φ1.7
Φ2.0	20	≤1.5	Φ2.0
Φ2.5	25	≤1.5	Φ2.5
Φ3.0	40	≤1.0	Φ3.0
Φ3.5	50	≤1.0	Φ3.5
Φ4.0	60	≤1.0	Φ4.5
Φ5.0	75	≤0.7	Φ6
Φ6.0	90	≤0.7	Φ6.5
Φ7.0	100	≤0.5	Φ7.3
Φ8.0	130	≤0.5	Φ8.5
Φ9.0	150	≤0.4	Φ9
Φ10	200	≤0.4	Φ10
Φ12	250	≤0.3	Φ12
Φ15	400	≤0.3	Φ15
Φ17	600	≤0.3	Φ19

YDX Explosion-proof Series

Product Introduction

The Exd type explosion-proof and flame-retardant electrical connector is an environmentally resistant explosion-proof and flame-retardant electrical connector, which is used in situations with explosive hazardous gases and other dust, waterproof and flame-retardant requirements. It has wide applications in power and signal transmission in drilling and exploration fields such as oil, natural gas, and coal mines.



The pictures are for reference only

Features

- Suitable for electrical connections between equipment and cables in harsh environments such as humidity and immersion
- Complies with GB3836.1-2010 "Explosive Atmosphere Part 1: General Requirements for Equipment"
- Compliant with GB3836.2-2010 "Explosive Atmosphere Part 2: Equipment Protected by Flameproof Enclosures:'d '"
- IP66 protection level
- The terminal connection method of the plug and socket can be welding or crimping, which is determined by the user themselves
- The use of highly reliable hyperbolic wire spring sockets for crimping contacts ensures smooth insertion and removal of connectors, resulting in low contact resistance
- The plug and socket can be equipped with both pins and holes, and the crimping contacts can be removed
- Threaded quick connect
- Five key positioning with blind insertion and error prevention functions
- The installation methods for sockets include square plate and mobile

Environmental performance

Ambient temperature	-55°C~ +60°C
Relative humidity	90%~95%
Protection level	IP67 (Customer guarantee for installation)
Explosion-proof area	Areas 1 and 2 use environments containing explosive gases of Class IIA, IIB, IIC with T6 temperature group.

Mechanical parameters

Shell material	Stainless steel 316L
Insulator	Thermoplastic material
Sealing rubber ring	Flame-retardant rubber
Contact material	Gold plating on copper alloy
Mechanical lifespan	500 times
Explosion-proof grade	Ex db IIC T6 Gb

Rated working voltage

Condition	Operating voltage (V)		Sea level (V)	
	Usage level I	Usage level II	Usage level I	Usage level II
Sea level	300V	600V	800V	1500V
21336m	100V	300V	250V	375V

Note: Except for 0807, 0810, and 1010, which are of use level I, the others are of use level II.
Insulation resistance: not less than 3000MQ

Welding contact specifications

Contact specifications(mm)	Rated operating current(A)	Contact resistance (mΩ)	Inner diameter of bonding wire loop
Φ0.8	3	≤7	Φ1.0
Φ1	5	≤5	Φ1.3
Φ1.5	10	≤3	Φ1.7
Φ2.0	20	≤1.5	Φ2.0
Φ2.5	25	≤1.5	Φ2.5
Φ3.0	40	≤1.0	Φ3.0
Φ3.5	50	≤1.0	Φ3.5
Φ4.0	60	≤1.0	Φ4.5
Φ5.0	75	≤0.7	Φ6
Φ6.0	90	≤0.7	Φ6.5
Φ7.0	100	≤0.5	Φ7.3
Φ8.0	130	≤0.5	Φ8.5
Φ9.0	150	≤0.4	Φ9
Φ10	200	≤0.4	Φ10
Φ12	250	≤0.3	Φ12
Φ15	400	≤0.3	Φ15
Φ17	600	≤0.3	Φ19



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