



Product Service

# CERTIFICATE

No. B 120216 0001 Rev. 02

**Holder of Certificate:** **FuYanSheng Electronic(Fujian)Co.,Ltd**  
Floor 4, Workshop No.5, Bailong Village, Zhuqi Township  
Minhou County  
350100 Fuzhou City  
PEOPLE'S REPUBLIC OF CHINA

**Certification Mark:**



**Product:** **Connector**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

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( Martin Ma )

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**Model(s):**

**Field wiring connectors:**  
FCC abcd-0000-ef-ooo-pqrrll

**Single ended precast connectors:**  
FCC abcd-0000-ef-ggg-hhjkl-yyy-xxx

**Double ended precast connectors:**  
FCC abcd-abcd-ef-ggg-hhjkl-yyy-xxx

**Flange precast connectors:**  
FCC M4B5-0000-1A-D00-P,  
FCC M4B5-0000-2A-D00-P,  
FCC M4A5-0000-1A-C00-H,  
FCC M4A5-0000-2A-C00-H,  
FCC M4A8-0000-1A-D00-P,  
FCC M4A8-0000-2A-D00-P,  
FCC M4A8-0000-1A-D00-H,  
FCC M4A8-0000-2A-D00-H,  
FCC-I7H5-0000-10-VK05A1-xxx,  
FCC-I7H5-0000-20-VK05A1-xxx

**3-way precast connectors:**  
FCC-M435-M435-M435-T2L,  
FCC M415-M415-M415-Y23,  
FCC M415-M415-M415-Y24,  
FCC M415-M415-M415-Y27,  
FCC M415-M415-M415-Y28,  
FCC M414-M415-M415-Y35,  
FCC M415-M415-M415-Y54,  
FCC M415-M415-M415-T55,  
FCC M415-M415-M415-Y45,  
FCC M415-M415-M415-Y55,  
FCC M415-M412-M413-Y52,  
FCC M414-M414-M414-Y22,  
FCC M414-M414-M414-Y34,  
FCC M414-M313-M313-Y22,  
FCC M418-M415-M314-Y00,  
FCC M313-M313-M313-Y14,  
FCC M314-M313-M313-Y22,  
FCC M313-M313-M313-Y33,



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- FCC M414-M425-M425-Y24-VX8434-xxx,
- FCC M415-M414-M414-Y24-VX8434-xxx
- FCC M414-M415-M415-Y22-PH0334-xxx,
- FCC S414-S415-S415-Y22-PH0434-xxx,
- FCC S414-S425-S425-Y22-PH0434-xxx,
- FCC M414-M415-M415-Y22-VX8334-xxx,
- FCC S414-S415-S415-Y22-VX8434-xxx,
- FCC S414-S425-S425-Y22-VX8434-xxx,
- FCC M414-M425-M425-Y26-PH0334-xxx,
- FCC S414-S425-S425-Y26-PH0434-xxx,
- FCC M414-M425-M425-Y26-VX8334-xxx,
- FCC S414-S425-S425-Y26-VX8434-xxx,
- FCC M414-M425-M425-Y22-PH0334-xxx,
- FCC M414-M425-M425-Y22-VX8334-xxx,
- FCC M415-M413-M413-Y43-PH0334-xxx,
- FCC M415-M413-M413-Y33-PH0334-xxx,
- FCC M414-M415-M415-Y22-PW4434-xxx,
- FCC M414-M425-M425-Y26-PW2434-xxx,
- FCC M414-M425-M425-Y26-PW4434-xxx,
- FCC M414-M425-M425-Y22-PW2434-xxx,
- FCC M414-M425-M425-Y22-PW4434-xxx,
- FCC M414-M313-M313-Y22-VX8325-xxx,
- FCC M414-M313-M313-Y22-PH0325-xxx,
- FCC M414-M314-M314-Y22-PH0325-xxx,
- FCC M414-M314-M314-Y22-VX8325-xxx,
- FCC M414-M323-M323-Y22-PH0325-xxx,
- FCC M414-M323-M323-Y22-VX8325-xxx,
- FCC M415-M313-M313-Y43-VX8325-xxx,
- FCC M414-M415-M415-Y22-PW2434-xxx,
- FCC M314-M313-M313-Y22-VX8325-xxx,
- FCC M314-M313-M313-Y22-PH0325-xxx,
- FCC M314-M314-M314-Y22-PH0325-xxx,
- FCC M313-M313-M313-Y33-PH0325-xxx,
- FCC M313-M313-M313-Y33-VX8325-xxx,
- FCC M313-M314-M314-Y33-PH0325-xxx,
- FCC M313-M314-M314-Y33-VX8325-xxx,
- FCC M313-M313-M313-Y31-PH0325-xxx,
- FCC M314-M324-M324-Y34-PH0325-xxx,
- FCC M314-M313-M313-Y43-PH0325-xxx,
- FCC M314-M313-M313-Y24-PH0325-xxx

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1. Description of the rule of designation for field wiring connectors:

FCC abcd-0000-ef-ooo-pqrrll

a denotes type of connector, a can be M, I, E

M: metric system

I: british system (only for 7/8")

E: for Enthernet application

b denotes connector sctructure, b can be 3, 4, 7, 8

3: M8 type

4: M12 type

7: 7/8" type

8: RJ45 type

c denotes type of enclosure, c can be 3, 4, 7, 8

3: plastic assembly – straight

4: plastic assembly – bent (only for M12, M8)

7: metal assembly – straight (only for M12, M8, RJ45)

8: metal assembly – bent (only for M12, RJ45)

d denotes number of visible poles, d can be 3, 4, 5, 8

3: 3 poles

4: 4 poles

5: 5 poles

8: 8 poles (only for M12, RJ45)

e denotes type of connector, e can be 1, 2

1: female

2: male

f denotes code type, f can be 0, A, B, D, L

0: none (for M8, 7/8" and RJ45)

A: A code (for M8 and M12)

B: M12 B code

D: M12 D code

L: M12 L code

ooo denotes type of terminal resistance,

ooo can be blank, R01, R03, R04

blank: no terminal resistance

R01: Profibus DP Terminal resistance

R03: CC-LINK Terminal resistance

R04: DN Terminal resistance

p denotes diameter of cable, p can be 3, 4, 5, 6, 7, 8

3: 4-5mm or 4.5-5mm

4: 4.5-6mm or 5-6mm

5: 6.5-7.5mm or 7.5-8mm or 6.5-8mm or 6-8mm or 6-6.5mm or 6.5-6.6mm

6: signal hole 3.5-5mm×2 (for M12 A code)

7: 8.5-10mm (for M12 L code)

8: 10.5-14mm (for 7/8")

q denotes type of terminal, q can be 1, 3, 5

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1: screw-type

3: Insulation piercing connection

5: screwless-type

rr denotes number of wires of cable,

rr can be X3, X4, X5, X6, X8

X3: 3 wires

X4: 4 wires

X5: 5 wires

X6: 6 wires

X8: 8 wires (for M12 and RJ45)

ll denotes cross-section area of wire,

ll can be 14, 20, 25, 34, 50, 75, A1, 22, 24, 26

14: 0.14mm<sup>2</sup>

20: 0.20mm<sup>2</sup>

25: 0.25mm<sup>2</sup>

34: 0.34mm<sup>2</sup>

50: 0.50mm<sup>2</sup>

75: 0.75mm<sup>2</sup>

A1: 1.5mm<sup>2</sup>

22: 22AWG

24: 24AWG

26: 26AWG

2. Description of the rule of designation for single ended precast connectors:

FCC abcd-0000-ef-ggg-hhjkl-yyy-xxx

a denotes type of connector, a can be M, S, I, E

M: metric system zinc alloy nuts (for M12 and M8)

S: metric system with stainless steel nuts (for M12 and M8)

I: british system (only for 7/8")

E: for Enthernet application

b denotes connector structure, b can be 3, 4, 7, 8

3: M8 type

4: M12 type

7: 7/8" type

8: RJ45 type

c denotes type of enclosure, c can be 1, 2, 3, H

1: plastic casting - straight

2: plastic casting – bent

3: plastic assembly – straight (for RJ45)

H: front plate Flange for 7/8"

d denotes number of visible poles, d can be 3, 4, 5, 8, C

3: 3 poles

4: 4 poles

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5: 5 poles

8: 8 poles (only for M12 and RJ45)

C: 12 poles (only for M12)

e denotes type of connector, e can be 1, 2

1: female

2: male

f denotes code type, f can be 0, A, B, D, L

0: none (for M8, 7/8" and RJ45)

A: A code (for M8 and M12)

B: M12 B code

D: M12 D code

L: M12 L code

ggg denotes connection mode, ggg can be 000, 001, 004, 006, 008, 010, 012, 014, 016, 030, 031, 033, 034, 036, 068, 043, 048

000: no LEDs

001: 3-wire without LED

004: 3-wire with 2 LEDs

006: 4-wire / 5-wire without LED, and insulation of conductor No. 5 is gray

008: 4-wire with 2 LEDs

010: 4-wire with 3 LEDs

012: 4-wire / 5-wire without LED, and insulation of conductor No. 5 is yellow-green

014: 5-wire with 3 LEDs, and insulation of conductor No. 5 is gray

016: 5-wire with 3 LEDs, and insulation of conductor No. 5 is yellow-green

030: 5-wire A-code for DeviceNET

031: 5-wire B-code for ProfiBUS

033: 4-wire D-code for ProfiNET

034: 4-wire D-code for EtherNET

036: 4-wire A/D-code for EtherCAT

068: 4-wire A-code for CC-LINK

043: 4-wire RJ45

048: 8-wire RJ45

hh denotes type of cable, h can be PH, PS, PW, VX, VS

PH: PUR flexible cable

PS: PUR shielding cable

PW: PUR, anti-splash of welding

VX: PVC standard cable

VS: PVC shielding cable

j denotes colour of cable, j can be 0, 2, 4, 8, V, B, G, R, T, W, N

0: black

2: yellow

4: orange

8: gray

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V: violet  
 B: blue  
 G: green  
 R: red  
 T: tea green  
 W: white  
 N: brown

k denotes number of wires of cable,  
 k can be blank, 3, 4, 5, 8, 12  
 blank: for Ethernet harness

3: 3 wires  
 4: 4 wires  
 5: 5 wires  
 8: 8 wires  
 12: 12 wires

ll denotes cross-section area of wire,  
 ll can be blank, 14, 20, 25, 34, 50, 75, A1  
 blank: for Ethernet harness

14: 0.14mm<sup>2</sup>  
 20: 0.20mm<sup>2</sup>  
 25: 0.25mm<sup>2</sup>  
 34: 0.34mm<sup>2</sup>  
 50: 0.50mm<sup>2</sup>  
 75: 0.75mm<sup>2</sup>  
 A1: 1.5mm<sup>2</sup>

yyy denotes number of poles/ code / wiring / protocol type  
 used for Ethernet harness, yyy can be blank, PNA, PNC,  
 04E, 04C, DNX, DNT, C6A

blank: non Ethernet harness applications

PNA: 4P / M12 D code or RJ45 / 4×22AWG /  
 TYPE A for ProfiNET

PNC: 4P / M12 D code or RJ45 / 4×22AWG /  
 TYPE C for ProfiNET

04E: 4P / M12 D code or RJ45 / 4×26AWG / EtherNET

08E: 8P / RJ45 / 4×2×26AWG / EtherNET

04C: 4P / M12 D code or RJ45 / 4×24AWG / EtherCAT

DNX: 5P / M12 B code or none(for 7/8'') /  
 2×24AWG+3×22AWG / DeviceNET

DNT: 5P / none(for 7/8'') / 2×18AWG+2×15AWG+22AWG /  
 DeviceNET

C6A: 8P / RJ45 / 4×2×26AWG / CTA6A

xxx denotes length of cable, xxx can be 001-999: 0.1m-99.9m

3. Description of the rule of designation for models with  
 double ended precast connectors:

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FCC abcd-abcd-ef-ggg-hhjkll-yyy-xxx

a denotes type of connector, a can be M, S, I, E

M: metric system zinc alloy nuts (for M12 and M8)

S: metric system with stainless steel nuts (for M12 and M8)

I: british system (only for 7/8")

E: for Enthernet application

b denotes connector structure, b can be 3, 4, 7, 8

3: M8 type

4: M12 type

7: 7/8" type

8: RJ45 type

c denotes type of enclosure, c can be 1, 2, 3, H

1: plastic casting - straight

2: plastic casting – bent

3: plastic assembly – straight (for RJ45)

H: front plate Flange for 7/8"

d denotes number of visible poles, d can be 3, 4, 5, 8, C

3: 3 poles

4: 4 poles

5: 5 poles

8: 8 poles (only for M12 and RJ45)

C: 12 poles (only for M12)

e denotes type of connector, e can be 3, 4, 5, 6

3: female-male

4: female-female

5: male-male

6: male-female

f denotes code type, f can be 0, B, D, L

0: none (for M8, 7/8" and RJ45) or A code (for M8 and M12)

B: M12 B code

D: M12 D code

L: M12 L code

ggg denotes connection mode, ggg can be 000, 001, 004, 006, 008, 010, 012, 014, 016, 030, 031, 033, 034, 036, 068, 043, 048, 041, 042, 044

000: no LEDs

001: 3-wire without LED

004: 3-wire with 2 LEDs

006: 4-wire / 5-wire without LED, and insulation of conductor No. 5 is gray

008: 4-wire with 2 LEDs

010: 4-wire with 3 LEDs

012: 4-wire / 5-wire without LED, and insulation of conductor No. 5 is yellow-green

014: 5-wire with 3 LEDs, and insulation of conductor No. 5 is gray



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016: 5-wire with 3 LEDs, and insulation of conductor No. 5 is yellow-green

030: 5-wire A-code for DeviceNET

031: 5-wire B-code for ProfiBUS

033: 4-wire D-code for ProfiNET

034: 4-wire D-code for EtherNET

036: 4-wire A/D-code for EtherCAT

068: 4-wire A-code for CC-LINK

043: 4-wire RJ45

048: 8-wire RJ45

041: M8 to RJ45

042: M12 D code to RJ45

044: M12 A code to RJ45

hh denotes type of cable, h can be PH, PS, PW, VX, VS

PH: PUR flexible cable

PS: PUR shelding cable

PW: PUR, anti-splash of welding

VX: PVC standard cable

VS: PVC shelding cable

j denotes colour of cable, j can be 0, 2, 4, 8, V, B, G, R, T, W, N

0: black

2: yellow

4: orange

8: gray

V: violet

B: blue

G: green

R: red

T: tea green

W: white

N: brown

k denotes number of wires of cable,

k can be blank, 3, 4, 5, 8, 12

blank: for Ethernet harness

3: 3 wires

4: 4 wires

5: 5 wires

8: 8 wires

12: 12 wires

ll denotes cross-section area of wire,

ll can be blank, 14, 20, 25, 34, 50, 75, A1

blank: for Ethernet harness

14: 0.14mm<sup>2</sup>

20: 0.20mm<sup>2</sup>

25: 0.25mm<sup>2</sup>



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34: 0.34mm<sup>2</sup>

50: 0.50mm<sup>2</sup>

75: 0.75mm<sup>2</sup>

A1: 1.5mm<sup>2</sup>

yyy denotes number of poles/ code / wiring / protocol type used for Ethernet harness, yyy can be blank, PNA, PNC, 04E, 04C, DNX, DNT, C6A

blank: non Ethernet harness applications

PNA: 4P / M12 D code or RJ45 / 4×22AWG / TYPE A for ProfiNET

PNC: 4P / M12 D code or RJ45 / 4×22AWG / TYPE C for ProfiNET

04E: 4P / M12 D code or RJ45 / 4×26AWG / EtherNET

08E: 8P / RJ45 / 4×2×26AWG / EtherNET

04C: 4P / M12 D code or RJ45 / 4×24AWG / EtherCAT

DNX: 5P / M12 B code or none(for 7/8'') / 2×24AWG+3×22AWG / DeviceNET

DNT: 5P / none(for 7/8'') / 2×18AWG+2×15AWG+22AWG / DeviceNET

C6A: 8P / RJ45 / 4×2×26AWG / CTA6A

xxx denotes length of cable, xxx can be 001-999: 0.1m-99.9m

Remark: 1) For double ended precast connectors, the first abcd denotes one end of double ended precast connectors, second abcd denotes another end of double ended precast connectors.

2) The Descriptions of the rule of designation are only used for model interpretation, and the actual model needs to be determined in combination with table 1 and 2.

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## Parameters:

Rated current:	See table 1 for detail
Rated voltage:	See table 1 for detail
Number of poles:	See table 1 for detail
With or without breaking capacity:	Without (COC)
Overvoltage category:	II
Pollution degree:	2 for FCC abcd-0000-ef-ooo-pqrrll 2 (internal 1) for others
IP code:	IP00 for RJ45 series IP67 (after proper mated) for others
Temperature range (LLT-ULT):	-25°C to +95°C for FCC M4c3-0000-ef-ggg-hhjkll-yyy-xxx, FCC S4c3-0000-ef-ggg-hhjkll-yyy-xxx, FCC M4c4-0000-ef-ggg-hhjkll-yyy-xxx, FCC S4c4-0000-ef-ggg-hhjkll-yyy-xxx, FCC M4c5-0000-ef-ggg-hhjkll-yyy-xxx, FCC S4c5-0000-ef-ggg-hhjkll-yyy-xxx -25°C to +85°C for others
Number of operating cycles/mechanical endurance:	500
Number of bendings /flexings:	50

**Tested according to:** EN 61984:2009

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Table 1 Detailed information of signal-end connectors

Model		No. of pole <sup>1)</sup>	Rated current (at 60°C)	Wire cross-section area	Rated voltage	Type of terminals
Male connector	Female connector					
FCC M4cd-0000-1A-ooo-p1rrll	FCC M4cd-0000-2A-ooo-p1rrll	3, 4, 4+PE	4A	0.14-0.75 mm <sup>2</sup>	125VAC/DC	Screw
		8	2A	0.14-0.75 mm <sup>2</sup>	32VAC/DC	Screw
FCC M4c5-0000-1B-ooo-p1rrll	FCC M4c5-0000-2B-ooo-p1rrll	4+PE	4A	0.14-0.75 mm <sup>2</sup>	125VAC/DC	Screw
FCC M4c4-0000-1D-ooo-p1rrll	FCC M4c4-0000-2D-ooo-p1rrll	4	4A	0.14-0.75 mm <sup>2</sup>	125VAC/DC	Screw
FCC M4c5-0000-1L-ooo-p1rrll	FCC M4c5-0000-2L-ooo-p1rrll	4+PE	10A	1.5-2.5 mm <sup>2</sup>	125VAC/DC	Screw
FCC M3cd-0000-1f-ooo-p1rrll	FCC M3cd-0000-2f-ooo-p1rrll	3-4	2A	0.14-0.75 mm <sup>2</sup>	60VAC/DC	Screw
FCC I73d-0000-10-ooo-p1rrll	FCC I73d-0000-20-ooo-p1rrll	3+PE, 4+PE	12A	1.5mm <sup>2</sup>	300VAC/DC	Screw
FCC M4cd-0000-1A-ooo-p5rrll	FCC M4cd-0000-2A-ooo-p5rrll	3-4	4A	0.14-0.75 mm <sup>2</sup>	125VAC/DC	Screwless
FCC M4cd-0000-1D-ooo-p5rrll	FCC M4cd-0000-2D-ooo-p5rrll	3-4	4A	0.14-0.75 mm <sup>2</sup>	125VAC/DC	Screwless
FCC M3cd-0000-1f-ooo-p5rrll	FCC M3cd-0000-2f-ooo-p5rrll	3-4	2A	0.14-0.75 mm <sup>2</sup>	32VAC/DC	Screwless
FCC M4cd-0000-1A-ggg-hhjkl-yyy-xxx	FCC M4cd-0000-2A-ggg-hhjkl-yyy-xxx	3, 4, 4+PE	4A	0.14-0.34 mm <sup>2</sup> or 22-26AWG	125VAC/DC or 24VAC/DC <sup>1)</sup>	Crimped
		8	2A	0.14-0.25 mm <sup>2</sup>	60VAC/DC or 24VAC/DC <sup>1)</sup>	Solder
		12	2A	0.14-0.25 mm <sup>2</sup>	60VAC/DC or 24VAC/DC <sup>1)</sup>	Solder
FCC S4cd-0000-1A-ggg-hhjkl-yyy-xxx	FCC S4cd-0000-2A-ggg-hhjkl-yyy-xxx	3, 4, 4+PE	4A	0.14-0.34 mm <sup>2</sup> or 22-26AWG	125VAC/DC or 24VAC/DC <sup>1)</sup>	Crimped
		8	2A	0.14-0.25 mm <sup>2</sup>	60VAC/DC or 24VAC/DC <sup>1)</sup>	Solder

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		12	2A	0.14-0.25 mm <sup>2</sup>	60VAC/DC or 24VAC/DC <sup>1)</sup>	Solder
FCC M4c5-0000-1B-ggg-hhjkl-yyy-xxx	FCC M4c5-0000-2B-ggg-hhjkl-yyy-xxx	4+PE	4A	0.14-0.34 mm <sup>2</sup> or 22-26AWG	125VAC/DC or 24VAC/DC <sup>1)</sup>	Crimped
FCC S4c5-0000-1B-ggg-hhjkl-yyy-xxx	FCC S4c5-0000-2B-ggg-hhjkl-yyy-xxx	4+PE	4A	0.14-0.34 mm <sup>2</sup> or 22-26AWG	125VAC/DC or 24VAC/DC <sup>1)</sup>	Crimped
FCC M4c4-0000-1D-ggg-hhjkl-yyy-xxx	FCC M4c4-0000-2D-ggg-hhjkl-yyy-xxx	4	4A	0.14-0.34 mm <sup>2</sup> or 22-26AWG	125VAC/DC or 24VAC/DC <sup>1)</sup>	Crimped
FCC S4c4-0000-1D-ggg-hhjkl-yyy-xxx	FCC S4c4-0000-2D-ggg-hhjkl-yyy-xxx	4	4A	0.14-0.34 mm <sup>2</sup> or 22-26AWG	125VAC/DC or 24VAC/DC <sup>1)</sup>	Crimped
FCC M4c5-0000-1L-ggg-hhjkl-yyy-xxx	FCC M4c5-0000-2L-ggg-hhjkl-yyy-xxx	4+PE	10A	1.5mm <sup>2</sup>	125VAC/DC or 24VAC/DC <sup>1)</sup>	Solder
FCC S4c5-0000-1L-ggg-hhjkl-yyy-xxx	FCC S4c5-0000-2L-ggg-hhjkl-yyy-xxx	4+PE	10A	1.5mm <sup>2</sup>	125VAC/DC or 24VAC/DC <sup>1)</sup>	Solder
FCC M3cd-0000-1f-ggg-hhjkl-yyy-xxx	FCC M3cd-0000-2f-ggg-hhjkl-yyy-xxx	3-4	2A	0.25-0.34mm <sup>2</sup>	60VAC/DC or 24VAC/DC <sup>1)</sup>	Crimped
FCC S3cd-0000-1f-ggg-hhjkl-yyy-xxx	FCC S3cd-0000-2f-ggg-hhjkl-yyy-xxx	3-4	2A	0.25-0.34mm <sup>2</sup>	60VAC/DC or 24VAC/DC <sup>1)</sup>	Crimped
FCC I7cd-0000-10-ggg-hhjkl-yyy-xxx	FCC I7cd-0000-20-ggg-hhjkl-yyy-xxx	3+PE, 4+PE	12A	1.5mm <sup>2</sup>	300VAC/DC	Solder
FCC I7c5-0000-10-ggg-hhjkl-yyy-xxx	FCC I7c5-0000-20-ggg-hhjkl-yyy-xxx	4+PE	4A	2×24AWG+3×22AWG or 2×18AWG+2×15AWG+22AWG	300VAC/DC	Solder
FCC M4B5-0000-1A-D00-P <sup>3)</sup>	FCC M4B5-0000-2A-D00-P <sup>3)</sup>	5	4A	0.34mm <sup>2</sup>	80VAC/DC	Solder
FCC M4A5-0000-1A-C00-H <sup>3)</sup>	FCC M4A5-0000-2A-C00-H <sup>3)</sup>	4	4A	0.34mm <sup>2</sup>	80VAC/DC	Solder
FCC M4A8-0000-1A-D00-P <sup>3)</sup>	FCC M4A8-0000-2A-D00-P <sup>3)</sup>	8	2A	0.25 mm <sup>2</sup>	32VAC/DC	Solder

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FCC M4A8-0000-1A-D00-H <sup>3)</sup>	FCC M4A8-0000-2A-D00-H <sup>3)</sup>	8	2A	0.25 mm <sup>2</sup>	32VAC/DC	Solder
FCC-I7H5-0000-10-VK05A1-xxx <sup>3)</sup>	FCC-I7H5-0000-20-VK05A1-xxx <sup>3)</sup>	4-5	12A	1.5mm <sup>2</sup>	300VAC/DC	Solder
FCC E818-0000-10-048	FCC E83d-20-53rrll	4	1	22-26AWG,	24VAC/DC	Insulation piercing for male, solder on PCB for female
	FCC E87d-20-53rrll	4, 8	1	22-26AWG, 0.5mm <sup>2</sup>	24VAC/DC	
	FCC E88d-20-53rrll	4, 8	1	22-26AWG, 0.5mm <sup>2</sup>	24VAC/DC	
	FCC E814-20-043-hhjyyy	4	1	22-26AWG	24VAC/DC	
	FCC E818-20-048-hhjyyy	8	1	24-26AWG	24VAC/DC	
	FCC E834-20-043-hhjyyy	4	1	22-26AWG	24VAC/DC	
	FCC E838-20-048-hhjyyy	8	1	24-26AWG	24VAC/DC	

Remark:

- 1) For models with LEDs, the rated voltage is 24VAC/DC, and for models without LEDs, the rated voltage is the former.
- 2) Flanges cannot be matched with each other, but flanges can be matched with connectors of the same category, code, and number of poles.
- 3) xxx denotes length of cable, xxx can be 001-999: 0.1m-99.9m.

Table 2 Detailed information of double-end and 3-way connectors

Model	No. of pole <sup>1)</sup>	Rated current (at 60°C)	Wire cross-section area	Rated voltage	Type of terminals
FCC M4cd-M4cd-e0-ggg-hhjkl-yyy-xxx	3-5	4A	0.14-0.34 mm <sup>2</sup> or 22-26AWG	125VAC/DC or 24VAC/DC <sup>1)</sup>	Crimped
	8	2A	0.14-0.25 mm <sup>2</sup>	60VAC/DC or 24VAC/DC <sup>1)</sup>	Solder
	12	2A	0.14-0.25 mm <sup>2</sup>	60VAC/DC or 24VAC/DC <sup>1)</sup>	Solder
FCC S4cd-S4cd-e0-ggg-hhjkl-yyy-xxx	3-5	4A	0.14-0.34 mm <sup>2</sup> or 22-26AWG	125VAC/DC or 24VAC/DC <sup>1)</sup>	Crimped
	8	2A	0.14-0.25 mm <sup>2</sup>	60VAC/DC or 24VAC/DC <sup>1)</sup>	Solder

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	12	2A	0.14-0.25 mm <sup>2</sup>	60VAC/DC or 24VAC/DC <sup>1)</sup>	Solder
FCC M4cd-M4cd-eBggg-hhjkll-yyy-xxx	5	4A	0.14-0.34 mm <sup>2</sup> or 22-26AWG	125VAC/DC or 24VAC/DC <sup>1)</sup>	Crimped
FCC S4cd-S4cd-eBggg-hhjkll-yyy-xxx	5	4A	0.14-0.34 mm <sup>2</sup> or 22-26AWG	125VAC/DC or 24VAC/DC <sup>1)</sup>	Crimped
FCC M4cd-M4cd-eD-ggg-hhjkll-yyy-xxx	4	4A	0.14-0.34 mm <sup>2</sup> or 22-26AWG	125VAC/DC or 24VAC/DC <sup>1)</sup>	Crimped
FCC S4cd-S4cd-eD-ggg-hhjkll-yyy-xxx	4	4A	0.14-0.34 mm <sup>2</sup> or 22-26AWG	125VAC/DC or 24VAC/DC <sup>1)</sup>	Crimped
FCC M4c5-M4c5-eL-ggg-hhjkll-yyy-xxx	5	10A	1.5mm <sup>2</sup>	125VAC/DC or 24VAC/DC <sup>1)</sup>	Solder
FCC S4c5-S4c5-eL-ggg-hhjkll-yyy-xxx	5	10A	1.5mm <sup>2</sup>	125VAC/DC or 24VAC/DC <sup>1)</sup>	Solder
FCC M3cd-M3cd-e0-ggg-hhjkll-yyy-xxx	3-4	2A	0.25-0.34mm <sup>2</sup>	60VAC/DC or 24VAC/DC <sup>1)</sup>	Crimped
FCC S3cd-S3cd-e0-ggg-hhjkll-yyy-xxx	3-4	2A	0.25-0.34mm <sup>2</sup>	60VAC/DC or 24VAC/DC <sup>1)</sup>	Crimped
FCC M4cd-M3cd-e0-ggg-hhjkll-yyy-xxx	3-4	2A	0.25mm <sup>2</sup>	60VAC/DC or 24VAC/DC <sup>1)</sup>	Crimped
FCC S4cd-S3cd-e0-ggg-hhjkll-yyy-xxx	3-4	2A	0.25mm <sup>2</sup>	60VAC/DC or 24VAC/DC <sup>1)</sup>	Crimped
FCC I7cd-I7cd-e0-ggg-hhjkll-yyy-xxx	4-5	12A	1.5mm <sup>2</sup>	300VAC/DC	Solder
FCC I7c5-I7c5-e0-ggg-hhjkll-yyy-xxx	5 <sup>4)</sup>	4A	2×24AWG+2× 22AWG or 2×18AWG+2× 15AWG	300VAC/DC	Solder
FCC E814-E814-50-043-hhjyyy	4	1	22-26AWG	24VAC/DC	Insulation piercing
FCC E818-E818-50-048-hhjyyy	8	1	24-26AWG	24VAC/DC	Insulation piercing
FCC E834-E834-50-043-hhjyyy	4	1	22-26AWG	24VAC/DC	Insulation piercing
FCC E838-E838-50-048-hhjyyy	8	1	24-26AWG	24VAC/DC	Insulation piercing

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FCC M314-E814-5A-041-hhjyyy	4	1	22-26AWG	24VAC/DC	Insulation piercing
FCC M414-E814-5D-042-hhjyyy	4	1	22-26AWG	24VAC/DC	Insulation piercing
FCC M418-E818-5A-044-hhjyyy	8	1	24-26AWG	24VAC/DC	Insulation piercing
FCC-M435-M435-M435-T2L	3	16	1.5-2.5mm <sup>2</sup>	125VAC/DC	-
FCC M415-M415-M415-Y23	4	4A	0.14-0.75mm <sup>2</sup>	60VAC/DC	-
FCC M415-M415-M415-Y24	4-5	4A	0.14-0.75mm <sup>2</sup>	60VAC/DC	-
FCC M415-M415-M415-Y27	4-5	4A	0.14-0.75mm <sup>2</sup>	60VAC/DC	-
FCC M415-M415-M415-Y28	5	4A	0.14-0.75mm <sup>2</sup>	60VAC/DC	-
FCC M414-M415-M415-Y35	4-5	4A	0.14-0.75mm <sup>2</sup>	60VAC/DC	-
FCC M415-M415-M415-Y54	4-5	4A	0.14-0.75mm <sup>2</sup>	60VAC/DC	-
FCC M415-M415-M415-T55	5	4A	0.14-0.75mm <sup>2</sup>	60VAC/DC	-
FCC M415-M415-M415-Y45	5	4A	0.14-0.75mm <sup>2</sup>	60VAC/DC	-
FCC M415-M415-M415-Y55	5	4A	0.14-0.75mm <sup>2</sup>	60VAC/DC	-
FCC M415-M412-M413-Y52	2-5	4A	0.14-0.75mm <sup>2</sup>	60VAC/DC	-
FCC M414-M414-M414-Y22	3-4	4A	0.14-0.75mm <sup>2</sup>	60VAC/DC	-
FCC M414-M414-M414-Y34	4	4A	0.14-0.75mm <sup>2</sup>	60VAC/DC	-
FCC M414-M313-M313-Y22	3-4	2A	0.14-0.75mm <sup>2</sup>	60VAC/DC	-
FCC M418-M415-M314-Y00	2-6	2A	0.14-0.75mm <sup>2</sup>	60VAC/DC	-
FCC M313-M313-M313-Y14	3	2A	0.14-0.50mm <sup>2</sup>	60VAC/DC	-
FCC M314-M313-M313-Y22	3-4	2A	0.14-0.50mm <sup>2</sup>	60VAC/DC	-
FCC M313-M313-M313-Y33	3	2A	0.14-0.50mm <sup>2</sup>	60VAC/DC	-
FCC M414-M425-M425-Y24-VX8434-xxx	4-5	4A	0.34mm <sup>2</sup>	60VAC/DC	Crimped
FCC M414-M415-M415-Y22-PH0334-xxx	3-4	4A	0.34mm <sup>2</sup>	60VAC/DC	Crimped
FCC S414-S415-S415-Y22-PH0434-xxx	3-4	4A	0.34mm <sup>2</sup>	60VAC/DC	Crimped
FCC S414-S425-S425-Y22-PH0434-xxx	3-4	4A	0.34mm <sup>2</sup>	60VAC/DC	Crimped
FCC M414-M415-M415-Y22-VX8334-xxx	3-4	4A	0.34mm <sup>2</sup>	60VAC/DC	Crimped
FCC S414-S415-S415-Y22-VX8434-xxx	3-4	4A	0.34mm <sup>2</sup>	60VAC/DC	Crimped
FCC S414-S425-S425-Y22-VX8434-xxx	3-4	4A	0.34mm <sup>2</sup>	60VAC/DC	Crimped
FCC M415-M414-M414-Y24-VX8434-xxx	4-5	4A	0.34mm <sup>2</sup>	60VAC/DC	Crimped
FCC M414-M425-M425-Y26-PH0334-xxx	3-4	4A	0.34mm <sup>2</sup>	24VAC/DC	Crimped
FCC S414-S425-S425-Y26-PH0434-xxx	3-4	4A	0.34mm <sup>2</sup>	24VAC/DC	Crimped
FCC M414-M425-M425-Y26-VX8334-xxx	3-4	4A	0.34mm <sup>2</sup>	24VAC/DC	Crimped
FCC S414-S425-S425-Y26-VX8434-xxx	3-4	4A	0.34mm <sup>2</sup>	24VAC/DC	Crimped
FCC M414-M425-M425-Y22-PH0334-xxx	3-4	4A	0.34mm <sup>2</sup>	60VAC/DC	Crimped

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FCC M414-M425-M425-Y22-VX8334-xxx	3-4	4A	0.34mm <sup>2</sup>	60VAC/DC	Crimped
FCC M415-M413-M413-Y43-PH0334-xxx	3-4	4A	0.34mm <sup>2</sup>	60VAC/DC	Crimped
FCC M415-M413-M413-Y33-PH0334-xxx	3	4A	0.34mm <sup>2</sup>	60VAC/DC	Crimped
FCC M414-M415-M415-Y22-PW4434-xxx	3-4	4A	0.34mm <sup>2</sup>	60VAC/DC	Crimped
FCC M414-M425-M425-Y26-PW2434-xxx	3-4	4A	0.34mm <sup>2</sup>	60VAC/DC	Crimped
FCC M414-M425-M425-Y26-PW4434-xxx	3-4	4A	0.34mm <sup>2</sup>	24VAC/DC	Crimped
FCC M414-M425-M425-Y22-PW2434-xxx	3-4	4A	0.34mm <sup>2</sup>	60VAC/DC	Crimped
FCC M414-M425-M425-Y22-PW4434-xxx	3-4	4A	0.34mm <sup>2</sup>	60VAC/DC	Crimped
FCC M314-M313-M313-Y22-PH0325-xxx	3-4	2A	0.25mm <sup>2</sup>	60VAC/DC	Crimped
FCC M414-M313-M313-Y22-VX8325-xxx	3-4	2A	0.25mm <sup>2</sup>	60VAC/DC	Crimped
FCC M414-M313-M313-Y22-PH0325-xxx	3-4	2A	0.25mm <sup>2</sup>	60VAC/DC	Crimped
FCC M414-M314-M314-Y22-PH0325-xxx	3-4	2A	0.25mm <sup>2</sup>	60VAC/DC	Crimped
FCC M414-M314-M314-Y22-VX8325-xxx	3-4	2A	0.25mm <sup>2</sup>	60VAC/DC	Crimped
FCC M414-M323-M323-Y22-PH0325-xxx	3-4	2A	0.25mm <sup>2</sup>	60VAC/DC	Crimped
FCC M414-M323-M323-Y22-VX8325-xxx	3-4	2A	0.25mm <sup>2</sup>	60VAC/DC	Crimped
FCC M415-M313-M313-Y43-VX8325-xxx	3-4	2A	0.25mm <sup>2</sup>	60VAC/DC	Crimped
FCC M414-M415-M415-Y22-PW2434-xxx	3-4	2A	0.34mm <sup>2</sup>	60VAC/DC	Crimped
FCC M313-M313-M313-Y33-PH0325-xxx	3-4	2A	0.25mm <sup>2</sup>	60VAC/DC	Crimped
FCC M313-M313-M313-Y33-VX8325-xxx	3-4	2A	0.25mm <sup>2</sup>	60VAC/DC	Crimped
FCC M313-M314-M314-Y33-PH0325-xxx	3-4	2A	0.25mm <sup>2</sup>	60VAC/DC	Crimped
FCC M313-M314-M314-Y33-VX8325-xxx	3-4	2A	0.25mm <sup>2</sup>	60VAC/DC	Crimped
FCC M314-M324-M324-Y34-PH0325-xxx	4	2A	0.25mm <sup>2</sup>	60VAC/DC	Crimped
FCC M313-M313-M313-Y31-PH0325-xxx	3	2A	0.25mm <sup>2</sup>	60VAC/DC	Crimped
FCC M314-M313-M313-Y22-VX8325-xxx	3-4	2A	0.25mm <sup>2</sup>	60VAC/DC	Crimped
FCC M314-M314-M314-Y22-PH0325-xxx	3-4	2A	0.25mm <sup>2</sup>	60VAC/DC	Crimped
FCC M314-M313-M313-Y43-PH0325-xxx	3-4	2A	0.25mm <sup>2</sup>	60VAC/DC	Crimped

1) For models with LEDs, the rated voltage is 24VAC/DC, and for models without LEDs, the rated voltage is the former.  
2) xxx denotes length of cable, xxx can be 001-999: 0.1m-99.9m.