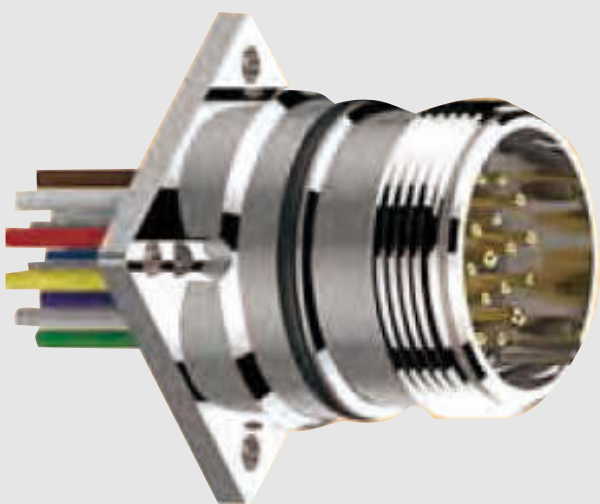
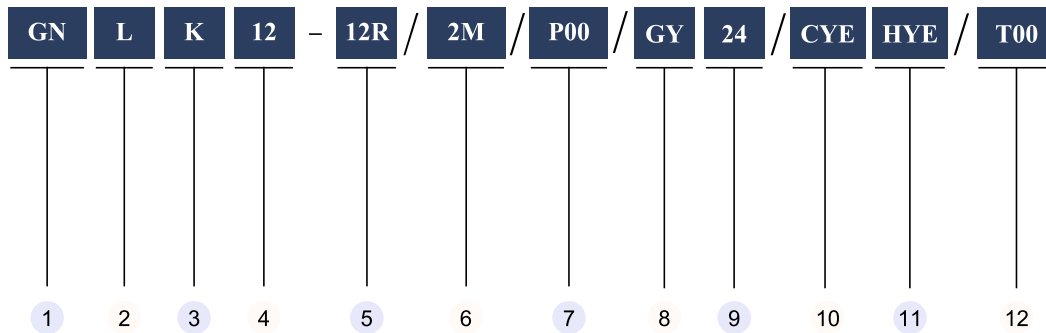


# M23 Industrial Connectors



## M23 pre-moulding connectivity part number key



1 GN M23x1  
connector\_Internal thread  
GW M23x1  
connector\_External thread

2 Blank Straight  
L Right angle

3 K Female  
Z Male

4 Number of pins  
Contact distribution

5 Contact distribution  
11/12/19  
11R/12R/19R(180° Reverse)

6 Length [m]

7 Varieties

8 Color of cable  
Blank Standard color (P00 BK,P10 BK)  
GY Gray (customization)  
YE Yellow (customization)

9 Wire gauge  
Blank Standard wire gauge  
6-7pins14AWG(2.5mm<sup>2</sup>),  
12-11,12-12(18AWG),  
19-11(3\*18+8\*22AWG),  
19-19(3\*18+16\*22AWG)  
24 24AWG(0.25mm<sup>2</sup>) (customization)

10 Color of contact carrier  
Blank Standard color6-9pins Black,  
12-19pins White  
CBU Blue contact carrier (customization)

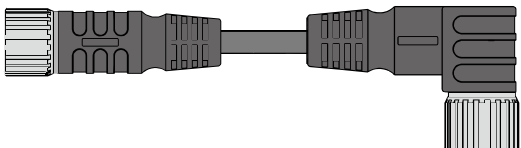
11 Color of plug body  
Blank Standard black  
HWH Plug body white (customization)

12 Varieties

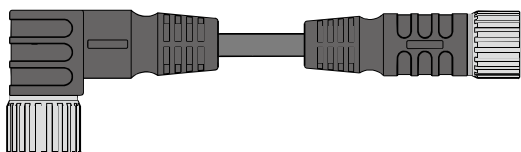
### Extension Examples



GNK12-11 GNZ12-11-2M/P00

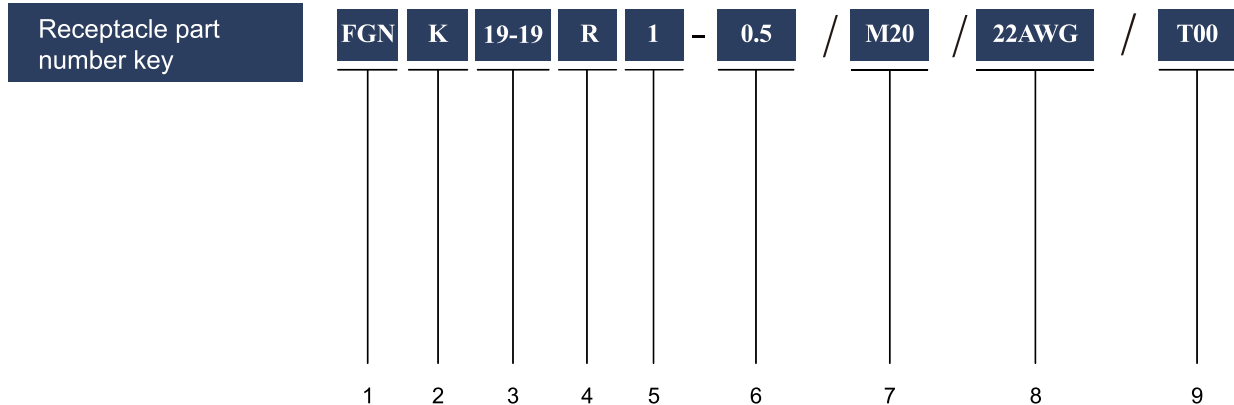


GNK12-11 GNLZ12-11-2M/P00



GNLK12-11 GNZ12-11-2M/P00

## M23 receptacle/field wireable connector part number key



1 FGN M23 Internal thread  
FGW M23 External thread

2 K Female  
Z Male

3 Number of pins  
19-19 (19pin connect  
19wire)

4 Pin direction  
R 180° Reverse Pin

5 Termination (mounting style)  
1 Rear mount  
2 Front mount

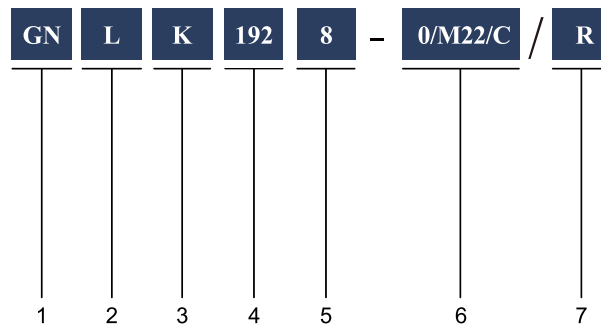
6 Length of cable  
0.5=0.5m  
L Solder cup  
P PCB pins

7 Thread Type (connection thread)  
PG13.5 13.5  
M20 M20X1.5  
NPT 1/2-14NPT  
NPSM 1/2-14NPSM  
RS14 rectangular screw connection  
(screw pitch 14mm)

8 Wire gauge  
Blank 6-7pins 14AWG,12pin 18AWG  
19pin 3x18AWG+16x22AWG

9 Varieties

## Field wireable connector part number key



1 FGN M23 Internal thread  
FGW M23 External thread

2 Blank Straight  
L Right angle

3 K Female  
Z Male

4 Number of pin/material of pin  
1 Ag plated brass  
2 Au plated brass

5 Housing material  
8 Metal housing

7 Pin direction  
R 180° Reverse Pin

6 Thread Type (connection thread)  
0:Single cable

Cable opening  
11,13.5(PG11,13.5)  
M22(M22)

Termination  
Blank Screw terminals  
C Crimp  
L Solder cup

## 12 pins M23 Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/White
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP67
- Rated current:6A
- Rated voltage:300V
- Insulation resistance: $\geq 10^9 \Omega$
- Forward resistance: $\leq 5m\Omega$
- Pollution degree:3
- Temperature range:-40~+80°C
- Mechanical operation: $\geq 100$
- Maximum cable diameter:14mm



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female GNK..** 	GNK12-11-2M/P00 GNK12-11-5M/P00 GNK12-11-10M/P00	10050110 10052232 10052001	PVC/Black 11x18AWG (11x0.75mm <sup>2</sup> ) Ø10. mm Cable Type NO. : 58092911-*M	Female <ol style="list-style-type: none"> <li>1. WH</li> <li>2. GN</li> <li>3. YE</li> <li>4. GY</li> <li>5. PK</li> <li>6. RD</li> <li>7. BK</li> <li>8. VT</li> <li>9. BU</li> <li>10. BU</li> <li>11. BN</li> <li>12. GN/YE</li> </ol>
Right angle Female GNLK..** 	GNLK12-11-2M/P00 GNLK12-11-5M/P00 GNLK12-11-10M/P00	10050100 10050101 10050102		
Straight Male GNZ..** 	GNZ12-11-2M/P00 GNZ12-11-5M/P00 GNZ12-11-10M/P00	10050117 10052066 10052067	PVC/Black 11x18AWG (11x0.75mm <sup>2</sup> ) Ø10. mm Cable Type NO. : 58092911-*M	Male <ol style="list-style-type: none"> <li>1. WH</li> <li>2. GN</li> <li>3. YE</li> <li>4. GY</li> <li>5. PK</li> <li>6. RD</li> <li>7. BK</li> <li>8. VT</li> <li>9. BU</li> <li>10. BU</li> <li>11. BN</li> <li>12. GN/YE</li> </ol>
Right angle Male GN LZ..** 	GN LZ12-11-2M/P00 GN LZ12-11-5M/P00 GN LZ12-11-10M/P00	10052030 10052076 10052077		
Straight Female GNK..** 	GNK12-12-2M/P00 GNK12-12-5M/P00 GNK12-12-10M/P00	10050172 10052039 10050140	PVC/Black 12x18AWG (12x0.75mm <sup>2</sup> ) Ø10.5mm Cable Type NO. : 58116911-*M	Female <ol style="list-style-type: none"> <li>1. BN</li> <li>2. BU</li> <li>3. WH</li> <li>4. GN/YE</li> <li>5. OG</li> <li>6. YE</li> <li>7. GY</li> <li>8. PK</li> <li>9. RD</li> <li>10. BN/WH</li> <li>11. BU/WH</li> <li>12. GN/WH</li> </ol>
Right angle Female GNLK..** 	GNLK12-12-2M/P00 GNLK12-12-5M/P00 GNLK12-12-10M/P00	10050189 10050190 10050191		
Straight Male GNZ..** 	GNZ12-12-2M/P00 GNZ12-12-5M/P00 GNZ12-12-10M/P00	10052068 10052055 10052054	PVC/Black 12x18AWG (12x0.75mm <sup>2</sup> ) Ø10.5mm Cable Type NO. : 58116911-*M	Male <ol style="list-style-type: none"> <li>1. BN</li> <li>2. BU</li> <li>3. WH</li> <li>4. GN/YE</li> <li>5. OG</li> <li>6. YE</li> <li>7. GY</li> <li>8. PK</li> <li>9. RD</li> <li>10. BN/WH</li> <li>11. BU/WH</li> <li>12. GN/WH</li> </ol>
Right angle Male GN LZ..** 	GN LZ12-12-2M/P00 GN LZ12-12-5M/P00 GN LZ12-12-10M/P00	10052078 10052079 10052086		

\* Standard cable lengths are 2/5/10M, Consult factory for other lengths

\*\* Standard coupling nut material is nickel plated brass

## 17pins/19pins M23 Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/White
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP67
- Rated current:9A(18AWG)  
2A(22AWG)
- Rated voltage:150V
- Insulation resistance: $\geq 10^9 \Omega$
- Forward resistance: $\leq 5m\Omega$
- Pollution degree:3
- Temperature range:-40~+80°C
- Mechanical operation: $\geq 100$
- Maximum cable diameter:14mm



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female GNK..** 	GNK17-17-2M/P00 GNK17-17-5M/P00 GNK17-17-10M/P00	10052051 10052044 10052045	PVC/Black 3x18+16x22AWG (3x0.75+ 16x0.34mm <sup>2</sup> ) Ø10.7mm	Female  1. BU 2. RD 3. BN 4. GY 5. GN/YE 6. RD/BU 7. GN 8. GY/PK 9. WH/GN 10. WH/YE 11. WH/GY 12. BK 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK
Right angle Female GNLK..** 	GNLK17-17-2M/P00 GNLK17-17-5M/P00 GNLK17-17-10M/P00	10052047 10052060 10052049	Cable Type NO. : 58094911-*M Cut off VT,GY/BN	
Straight Male GNZ..** 	GNZ17-17-2M/P00 GNZ17-17-5M/P00 GNZ17-17-10M/P00	10052080 10052081 10052082	PVC/Black 3x18+16x22AWG (3x0.75+ 16x0.34mm <sup>2</sup> ) Ø10.7mm	Male  1. BU 2. RD 3. BN 4. GY 5. GN/YE 6. RD/BU 7. GN 8. GY/PK 9. WH/GN 10. WH/YE 11. WH/GY 12. BK 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK
Right angle Male GNLZ..** 	GNLZ17-17-2M/P00 GNLZ17-17-5M/P00 GNLZ17-17-10M/P00	10050130 10052090 10052091	Cable Type NO. : 58094911-*M Cut off VT,GY/BN	
Straight Female GNK..** 	GNK19-11-2M/P00 GNK19-11-5M/P00 GNK19-11-10M/P00	10052100 10052102 10052395	PVC/Black 3x18+8x22AWG (3x0.75+ 8x0.34mm <sup>2</sup> ) Ø10.5mm	Female  1. N/C 2. N/C 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. N/C 10. N/C 11. N/C 12. GN/YE 13. N/C 14. BN/GN 15. WH 16. YE 17. N/C 18. N/C 19. BN
Right angle Female GNLK..** 	GNLK19-11-2M/P00 GNLK19-11-5M/P00 GNLK19-11-10M/P00	10052120 10052123 10052121	Cable Type NO. : 58096913-*M	
Straight Male GNZ..** 	GNZ19-11-2M/P00 GNZ19-11-5M/P00 GNZ19-11-10M/P00	10052110 10052112 10052113	PVC/Black 3x18+8*22AWG (3x0.75+ 8x0.34mm <sup>2</sup> ) Ø10.5mm	Male  1. N/C 2. N/C 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. N/C 10. N/C 11. N/C 12. GN/YE 13. N/C 14. BN/GN 15. WH 16. YE 17. N/C 18. N/C 19. BN
Right angle Male GNLZ..** 	GNLZ19-11-2M/P00 GNLZ19-11-5M/P00 GNLZ19-11-10M/P00	10052130 10052131 10052132	Cable Type NO. : 58096913-*M	

\*Standard cable lengths are 2/5/10M, Consult factory for other lengths \*\* Standard coupling nut material is nickel plated brass

## 19pins M23 Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/White
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP67
- Rated current:9A(18AWG)  
2A(22AWG)
- Rated voltage:150V
- Insulation resistance: $\geq 10^9 \Omega$
- Forward resistance: $\leq 5m\Omega$
- Pollution degree:3
- Temperature range:-40~+80°C
- Mechanical operation: $\geq 100$
- Maximum cable diameter:14mm



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female GNK..** 	GNK19-15-2M/P00 GNK19-15-5M/P00 GNK19-15-10M/P00	10052390 10052391 10052392	PVC/Black 3x18+12*22AWG (3x0.75+ 12x0.34mm <sup>2</sup> ) Ø10mm	Female <ol style="list-style-type: none"> <li>1. N/C</li> <li>2. RD</li> <li>3. GY</li> <li>4. RD/BU</li> <li>5. GN</li> <li>6. BU</li> <li>7. GY/PK</li> <li>8. WH/GN</li> <li>9. WH/YE</li> <li>10. N/C</li> <li>11. N/C</li> <li>12. GN/YE</li> </ol>
Right angle Female GNLK..** 	GNLK19-15-2M/P00 GNLK19-15-5M/P00 GNLK19-15-10M/P00	10052400 10052401 10052402	Cable Type NO. : 58028151-*M	
Straight Male GNZ..** 	GNZ19-15-2M/P00 GNZ19-15-5M/P00 GNZ19-15-10M/P00	10052420 10052421 10052422	PVC/Black 3x18+12*22AWG (3x0.75+ 12x0.34mm <sup>2</sup> ) Ø10mm	Male <ol style="list-style-type: none"> <li>1. N/C</li> <li>2. RD</li> <li>3. GY</li> <li>4. RD/BU</li> <li>5. GN</li> <li>6. BU</li> <li>7. GY/PK</li> <li>8. WH/GN</li> <li>9. WH/YE</li> <li>10. N/C</li> <li>11. N/C</li> <li>12. GN/YE</li> </ol>
Right angle Male GNLZ..** 	GNLZ19-15-2M/P00 GNLZ19-15-5M/P00 GNLZ19-15-10M/P00	10052430 10052431 10052432	Cable Type NO. : 58028151-*M	
Straight Female GNK..** 	GNK19-19-2M/P00 GNK19-19-5M/P00 GNK19-19-10M/P00	10050148 10050149 10052228	PVC/Black 3x18+16*22AWG (3x0.75+ 16x0.34mm <sup>2</sup> ) Ø10.7mm	Female <ol style="list-style-type: none"> <li>1. VT</li> <li>2. RD</li> <li>3. GY</li> <li>4. RD/BU</li> <li>5. GN</li> <li>6. BU</li> <li>7. GY/PK</li> <li>8. WH/GN</li> <li>9. WH/YE</li> <li>10. WH/GY</li> <li>11. BK</li> <li>12. GN/YE</li> </ol>
Right angle Female GNLK..** 	GNLK19-19-2M/P00 GNLK19-19-5M/P00 GNLK19-19-10M/P00	10050500 10050501 10052221	Cable Type NO. : 58094911-*M	
Straight Male GNZ..** 	GNZ19-19-2M/P00 GNZ19-19-5M/P00 GNZ19-19-10M/P00	10052210 10052211 10052237	PVC/Black 3x18+16*22AWG (3x0.75+ 16x0.34mm <sup>2</sup> ) Ø10.7mm	Male <ol style="list-style-type: none"> <li>1. VT</li> <li>2. RD</li> <li>3. GY</li> <li>4. RD/BU</li> <li>5. GN</li> <li>6. BU</li> <li>7. GY/PK</li> <li>8. WH/GN</li> <li>9. WH/YE</li> <li>10. WH/GY</li> <li>11. BK</li> <li>12. GN/YE</li> </ol>
Right angle Male GNLZ..** 	GNLZ19-19-2M/P00 GNLZ19-19-5M/P00 GNLZ19-19-10M/P00	10052230 10052242 10052263	Cable Type NO. : 58094911-*M	

\* Standard cable lengths are 2/5/10M, Consult factory for other lengths

\*\* Standard coupling nut material is nickel plated brass

## 12pins/17pins/19pins M23 Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/White
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP67
- Rated current:2A(22AWG)
- 12pins6A\19pins9A(18AWG)
- Rated voltage:12pins300V
- 19pins150V
- Insulation resistance: $\geq 10^9 \Omega$
- Forward resistance: $\leq 5m\Omega$
- Pollution degree:3
- Temperature range:-40~+80°C
- Mechanical operation: $\geq 100$
- Maximum cable diameter:14mm



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Male GWZ..** 	GWZ12-11-2M/P00 GWZ12-11-5M/P00 GWZ12-11-10M/P00	10052069 10052074 10052075	PVC/Black 11x18AWG (11x0.75mm <sup>2</sup> ) Ø10.0mm Cable Type NO. : 58092911-*M	Female <ol style="list-style-type: none"> <li>1. WH</li> <li>2. GN</li> <li>3. YE</li> <li>4. GY</li> <li>5. PK</li> <li>6. RD</li> <li>7. BK</li> <li>8. VT</li> <li>9. BU</li> <li>10. BU</li> <li>11. BN</li> <li>12. GN/YE</li> </ol>
Right angle Male GWLZ..** 	GWLZ12-11-2M/P00 GWLZ12-11-5M/P00 GWLZ12-11-10M/P00	10052456 10052457 10052459		
Straight Male GWZ..** 	GWZ12-12-2M/P00 GWZ12-12-5M/P00 GWZ12-12-10M/P00	10052010 10052087 10052088	PVC/Black 12x18AWG (12x0.75mm <sup>2</sup> ) Ø10.5mm Cable Type NO. : 58116911-*M	Male <ol style="list-style-type: none"> <li>1. BN</li> <li>2. BU</li> <li>3. WH</li> <li>4. GN/YE</li> <li>5. OG</li> <li>6. YE</li> <li>7. GY</li> <li>8. PK</li> <li>9. RD</li> <li>10. BN/WH</li> <li>11. BU/WH</li> <li>12. GN/WH</li> </ol>
Right angle Male GWLZ..** 	GWLZ12-12-2M/P00 GWLZ12-12-5M/P00 GWLZ12-12-10M/P00	10052463 10052464 10052465		
Straight Male GWZ..** 	GWZ17-17-2M/P00 GWZ17-17-5M/P00 GWZ17-17-10M/P00	10052440 10052441 10052442	PVC/Black 3x18+16*22AWG (3x0.75+ 16x0.34mm <sup>2</sup> ) Ø10.7mm Cable Type NO. : 58094911-*M Cut off VT, GY/BN	Female <ol style="list-style-type: none"> <li>1. BU</li> <li>2. RD</li> <li>3. BN</li> <li>4. GY</li> <li>5. GN/YE</li> <li>6. RD/BU</li> <li>7. GN</li> <li>8. GY/PK</li> <li>9. WH/GN</li> <li>10. WH/YE</li> <li>11. WH/GY</li> <li>12. BK</li> <li>13. YE/BN</li> <li>14. BN/GN</li> <li>15. WH</li> <li>16. YE</li> <li>17. PK</li> </ol>
Right angle Male GWLZ..** 	GWLZ17-17-2M/P00 GWLZ17-17-5M/P00 GWLZ17-17-10M/P00	10052450 10052451 10052452		
Straight Male GWZ..** 	GWZ19-11-2M/P00 GWZ19-11-5M/P00 GWZ19-11-10M/P00	10052546 10052547 10052549	PVC/Black 3x18+8*22AWG (3x0.75+ 8x0.34mm <sup>2</sup> ) Ø10.5mm Cable Type NO. : 58096913-*M	Male <ol style="list-style-type: none"> <li>1. N/C</li> <li>2. N/C</li> <li>3. GY</li> <li>4. RD/BU</li> <li>5. GN</li> <li>6. BU</li> <li>7. GY/PK</li> <li>8. WH/GN</li> <li>9. N/C</li> <li>10. N/C</li> <li>11. N/C</li> <li>12. GN/YE</li> <li>13. N/C</li> <li>14. BN/GN</li> <li>15. WH</li> <li>16. YE</li> <li>17. N/C</li> <li>18. N/C</li> <li>19. BN</li> </ol>
Right angle Male GWLZ..** 	GWLZ19-11-2M/P00 GWLZ19-11-5M/P00 GWLZ19-11-10M/P00	10052630 10052631 10052632		

\* Standard cable lengths are 2/5/10M, Consult factory for other lengths

\*\* Standard coupling nut material is nickel plated brass

## 12pins/19pins M23 Pre-moulding connector

- Plug body:TPU/Black
  - Coupling nut:Brass/Nickel
  - Contact carrier:TPU/White
  - Pin:Brass/Gold
  - O-ring:FPM/FKM
  - IP degree:IP67
  - Rated current:2A(22AWG)
  - Rated voltage:19pins150V
  - Insulation resistance: $\geq 10^9 \Omega$
  - Forward resistance: $\leq 5m\Omega$
  - Pollution degree:3
  - Temperature range:-40~+80°C
  - Mechanical operation: $\geq 100$
  - Maximum cable diameter:14mm
- 19pins9A(18AWG)



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Male GWZ..** 	GWZ19-19-2M/P00 GWZ19-19-5M/P00 GWZ19-19-10M/P00	10052036 10052016 10052040	PVC/Black 3x18+16*22AWG (3x0.75+ 16x0.34mm <sup>2</sup> ) Ø10.7mm Cable Type NO. : 58094911-*M	Male <ol style="list-style-type: none"> <li>1. VT</li> <li>2. RD</li> <li>3. GY</li> <li>4. RD/BU</li> <li>5. GN</li> <li>6. BU</li> <li>7. GY/PK</li> <li>8. WH/GN</li> <li>9. WH/YE</li> <li>10. WH/GY</li> <li>11. BK</li> <li>12. GN/YE</li> <li>13. YE/BN</li> <li>14. BN/GN</li> <li>15. WH</li> <li>16. YE</li> <li>17. PK</li> <li>18. GY/BN</li> <li>19. BN</li> </ol>
Right angle Male GWLZ..** 	GWLZ19-19-2M/P00 GWLZ19-19-5M/P00 GWLZ19-19-10M/P00	10052035 10052034 10052640		
Straight Male GNK..** 	GNK12-7-2M/P00 GNK12-7-5M/P00 GNK12-7-10M/P00	10052269 10052233 10052234	PVC/Black 7x18AWG (7x0.75mm <sup>2</sup> ) Ø8.8mm Cable Type NO. : 58030151-*M	Female <ol style="list-style-type: none"> <li>1. WH</li> <li>2. GN</li> <li>3. YE</li> <li>4. GY</li> <li>5. N/C</li> <li>6. N/C</li> <li>7. N/C</li> <li>8. N/C</li> <li>9. BU</li> <li>10. BU</li> <li>11. BN</li> <li>12. GN/YE</li> </ol>
Right angle Male GNLZ..** 	GNLK12-7-2M/P00 GNLK12-7-5M/P00 GNLK12-7-10M/P00	10093244 10093245 10093246		
Straight Male GNZ..** 	GNK12-9-2M/P00 GNK12-9-5M/P00 GNK12-9-10M/P00	10093247 10093248 10093249	PVC/Black 9x18AWG (9x0.75mm <sup>2</sup> ) Ø10.mm Cable Type NO. : 58031151-*M	Male <ol style="list-style-type: none"> <li>1. WH</li> <li>2. GN</li> <li>3. YE</li> <li>4. GY</li> <li>5. PK</li> <li>6. RD</li> <li>7. N/C</li> <li>8. N/C</li> <li>9. BU</li> <li>10. BU</li> <li>11. BN</li> <li>12. GN/YE</li> </ol>
Right angle Male GNLZ..** 	GNLK12-9-2M/P00 GNLK12-9-5M/P00 GNLK12-9-10M/P00	10093250 10093251 10093252		
Straight Male GNZ..** 	GNK19-14-2M/P00 GNK19-14-5M/P00 GNK19-14-10M/P00	10093253 10052339 10052354	PVC/Black 2*20+12*24AWG (2x0.5+ 12x0.25mm <sup>2</sup> ) Ø8.5mm Cable Type NO. : 58099911-*M	Female <ol style="list-style-type: none"> <li>1. WH</li> <li>2. GN</li> <li>3. YE</li> <li>4. GY</li> <li>5. PK</li> <li>6. BU</li> <li>7. RD</li> <li>8. BK</li> <li>9. VT</li> <li>10. GY/PK</li> <li>11. RD/BU</li> <li>12. N/C</li> <li>13. WH/GN</li> <li>14. BN/GN</li> <li>15. N/C</li> <li>16. N/C</li> <li>17. N/C</li> <li>18. N/C</li> <li>19. BN</li> </ol>
Right angle Male GNLZ..** 	GNLK19-14-2M/P00 GNLK19-14-5M/P00 GNLK19-14-10M/P00	10050171 10052770 10052642		

\* Standard cable lengths are 2/5/10M, Consult factory for other lengths

\*\* Standard coupling nut material is nickel plated brass



## 12pins M23 Pre-moulding connector(Reverse)

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP67
- Rated current :6A
- Rated voltage:300V
- Insulation resistance: $\geq 10^9 \Omega$
- Forward resistance: $\leq 5m\Omega$
- Pollution degree :3
- Temperature range : -40~+80°C
- Mechanical operation: $\geq 100$
- Maximum cable diameter:14mm



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
	GWZ12-12R-2M/P00 GWZ12-12R-5M/P00 GWZ12-12R-10M/P00	10052702 10052703 10052704	PVC/Black 12x18AWG (12x0.75mm <sup>2</sup> ) Ø10.5mm Cable Type NO. 58116911-*M	Male  1. BN 2. BU 3. WH 4. GN/YE 5. OG 6. YE 7. GY 8. PK 9. RD 10. BN/WH 11. BU/WH 12. GN/WH
	GWLZ12-12R-2M/P00 GWLZ12-12R-5M/P00 GWLZ12-12R-10M/P00	10052705 10052706 10052707		
	GWK12-12R-2M/P00 GWK12-12R-5M/P00 GWK12-12R-10M/P00	10093254 10093255 10093256	PVC/Black 12x18AWG (12x0.75mm <sup>2</sup> ) Ø10.5mm Cable Type NO. 58116911-*M	Female  1. BN 2. BU 3. WH 4. GN/YE 5. OG 6. YE 7. GY 8. PK 9. RD 10. BN/WH 11. BU/WH 12. GN/WH
	GWLK12-12R-2M/P00 GWLK12-12R-5M/P00 GWLK12-12R-10M/P00	10093257 10093258 10093259		
	GNK12-12R-2M/P00 GNK12-12R-5M/P00 GNK12-12R-10M/P00	10050188 10050175 10052662	PVC/Black 12x18AWG (12x0.75mm <sup>2</sup> ) Ø10.5mm Cable Type NO. 58116911-*M	Female  1. BN 2. BU 3. WH 4. GN/YE 5. OG 6. YE 7. GY 8. PK 9. RD 10. BN/WH 11. BU/WH 12. GN/WH
	GNLK12-12R-2M/P00 GNLK12-12R-5M/P00 GNLK12-12R-10M/P00	10052663 10052664 10052665		
	GNZ12-12R-2M/P00 GNZ12-12R-5M/P00 GNZ12-12R-10M/P00	10052666 10052667 10052668	PVC/Black 12x18AWG (12x0.75mm <sup>2</sup> ) Ø10.5mm Cable Type NO. 58116911-*M	Male  1. BN 2. BU 3. WH 4. GN/YE 5. OG 6. YE 7. GY 8. PK 9. RD 10. BN/WH 11. BU/WH 12. GN/WH
	GNLZ12-12R-2M/P00 GNLZ12-12R-5M/P00 GNLZ12-12R-10M/P00	10052669 10052670 10052671		

\* Standard cable lengths are 2/5/10M, Consult factory for other lengths

\*\* Standard coupling nut material is nickel plated brass

## 6pins/9pins M23 field wirable connector



Field wireable connector	Type NO.	ID NO.	Cable	Pinout
<b>M23 6pins Straight Female</b> 	GNK6228-0/M22/C GNK6228-0/M22/C1	10095004 10095044	Brass Accept : 7-12mm , 11-17mm Crimp 85°C , 6 POS Power: 630 V , 28 A /C : 2.5mm <sup>2</sup> Max /C1 : 4mm <sup>2</sup> Max	Female 
<b>M23 Female Crimp Contact</b> 	GK1-2.5-C.6228	10093260	Accept: 1~2.5mm <sup>2</sup>	
<b>M23 Female Crimp Contact</b> 	GK2.5-4-C1.6228	10093261	Accept: 2.5~4mm <sup>2</sup>	
<b>M23 6pins Straight Male</b> 	GWZ6228-0/M22/C GWZ6228-0/M22/C1	10095008 10095105	Brass Accept : 7-12mm , 11-17mm Crimp 85°C , 6 POS Power 630 V , 28 A /C : 2.5mm <sup>2</sup> Max /C1 : 4mm <sup>2</sup> Max	Male 
<b>M23 Male Crimp Contact</b> 	GZ1-2.5-C.6228	10093262	Accept: 1~2.5mm <sup>2</sup>	
<b>M23 Male Crimp Contact</b> 	GZ2.5-4-C1.6228	10093263	Accept: 2.5~4mm <sup>2</sup>	
<b>M23 9pins Straight Female</b> 	GNK9628-0/M22/L	10095023	Brass M22 Cable gland Accept 5-10mm cable diameter Solder cup 85°C , 9 POS(3+6) Power : 150 V , 20 A Signal : 150 V , 8 A	Female 
<b>M23 9pins Straight Male</b> 	GNZ9628-0/M22/L	10095022	Brass M22 Cable gland Accept 5-10mm cable diameter Solder cup 85°C , 9 POS(3+6) Power : 150 V , 20 A Signal : 150 V , 8 A	Male 

## 12pins/17pins/19pins M23 field wirable connector



Field wireable connector	Type NO.	ID NO.	Cable	Pinout
<p>M23 12pins Straight Female</p>	GNK1228-0/M22/L	10095000	Brass M22 cable gland Accept 6-10mm cable diameter Solder cup: 85°C , 150 V, 8 A	<p>Female</p>
<p>M23 12pins Straight Male</p>	GNZ1228-0/M22/L	10095011	Brass M22 cable gland Accept 6-10mm cable diameter Solder cup: 85°C , 150 V, 8 A	<p>Male</p>
<p>M23 17pins Straight Female</p>	GNK1728-0/M22/L	10052600	Brass M22 cable gland Accept 6-10mm cable diameter Solder cup: 85°C , 150 V, 8 A	<p>Female</p>
<p>M23 17pins Straight Male</p>	GNZ1728-0/M22/L	10052611	Brass M22 cable gland Accept 6-10mm cable diameter Solder cup: 85°C , 150 V, 8 A	<p>Male</p>
<p>M23 19pins Straight Female</p>	GNK1928-0/M22/L	10052614	Brass M22 cable gland Accept 6-10mm cable diameter Solder cup: 85°C , 150 V, 8 A	<p>Female</p>
<p>M23 19pins Straight Male</p>	GNZ1928-0/M22/L	10095021	Brass M22 cable gland Accept 6-10mm cable diameter Solder cup: 85°C , 150 V, 8 A	<p>Male</p>

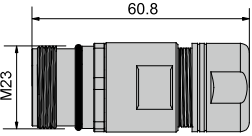
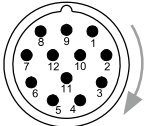
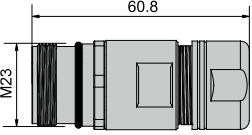
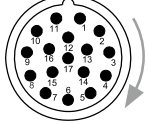
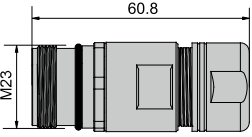
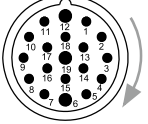
# 12pins/17pins/19pins M23 field wireable connector



Field wireable connector	Type NO.	ID NO.	Cable	Pinout
M23 12pins Right angle Female 	GNLK1228-0/M22/L	10095029	Brass M22 cable gland Accept 6-10mm cable diameter Solder cup: 85°C, 150 V, 8 A	Female 
M23 12pins Right angle Male 	GNLZ1228-0/M22/L	10095032	Brass M22 cable gland Accept 6-10mm cable diameter Solder cup: 85°C, 150 V, 8 A	Male 
M23 17pins Right angle Female 	GNLK1728-0/M22/L	10052612	Brass M22 cable gland Accept 6-10mm cable diameter Solder cup: 85°C, 150 V, 8 A	Femal 
M23 17pins Right angle Male 	GNLZ1728-0/M22/L	10095036	Brass M22 cable gland Accept 6-10mm cable diameter Solder cup: 85°C, 150 V, 8 A	Male 
M23 19pins Right angle Female 	GNLK1928-0/M22/L	10052613	Brass M22 cable gland Accept 6-10mm cable diameter Solder cup: 85°C, 150 V, 8 A	Femal 
M23 19pins Right angle Male 	GNLZ1928-0/M22/L	10095020	Brass M22 cable gland Accept 6-10mm cable diameter Solder cup: 85°C, 150 V, 8 A	Male 

## 12pins/17pins/19pins M23 field wirable connector



Field wireable connector	Type NO.	ID NO.	Cable	Pinout
M23 12pins Straight Male 	GWZ1228-0/M22/L	10095009	Brass M22 cable gland Accept 6-10mm cable diameter Solder cup: 85°C, 150 V, 8 A	Male 
M23 17pins Straight Male 	GWZ1728-0/M22/L	10052690	Brass M22 cable gland Accept 6-10mm cable diameter Solder cup: 85°C, 150 V, 8 A	Male 
M23 19pins Straight Male 	GWZ1928-0/M22/L	10095012	Brass M22 cable gland Accept 6-10mm cable diameter Solder cup: 85°C, 150 V, 8 A	Male 

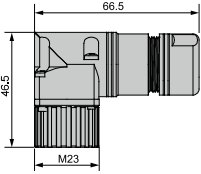
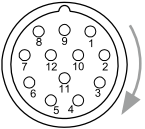
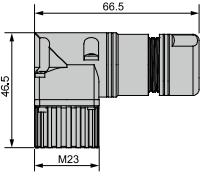
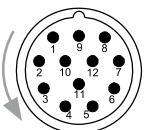
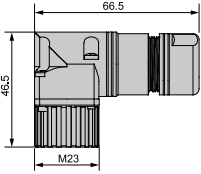
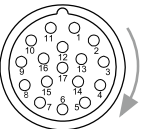
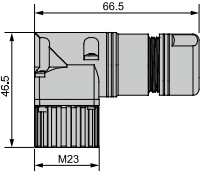
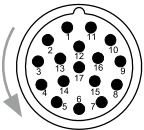
## 12pins/17pins M23 field wirable connector(Reverse)



Field wireable connector	Type NO.	ID NO.	Cable	Pinout
M23 12pins Straight Female 	GNK1228-0/M22/L/R	10095017	Brass M22 cable gland Accept 6-10mm cable diameter Solder cup: 85°C, 300 V, 8 A	Female 
M23 12pins Straight Male 	GWZ1228-0/M22/L/R	10095018	Brass M22 cable gland Accept 6-10mm cable diameter Solder cup: 85°C, 300 V, 8 A	Male 
M23 12pins Straight Male 	GNZ1228-0/M22/L/R	10095037	Brass M22 cable gland Accept 6-10mm cable diameter Solder cup: 85°C, 300 V, 8 A	Male 
M23 17pins Straight Female 	GNK1728-0/M22/L/R	10052618	Brass M22 cable gland Accept 6-10mm cable diameter Solder cup: 85°C, 150 V, 8 A	Female 
M23 17pins Straight Male 	GWZ1728-0/M22/L/R	10052691	Brass M22 cable gland Accept 6-10mm cable diameter Solder cup: 85°C, 150 V, 8 A	Male 
M23 17pins Straight Male 	GNZ1728-0/M22/L/R	10052617	Brass M22 cable gland Accept 6-10mm cable diameter Solder cup: 85°C, 150 V, 8 A	Male 

## 12pins/17pins/19pins M23 field wirable connector(Reverse)



Field wireable connector	Type NO.	ID NO.	Cable	Pinout
M23 12pins Straight Female 	GNLK1228-0/M22/L/R	10095039	Brass M22 cable gland Accept 6-10mm cable diameter Solder cup: 85°C, 300 V, 8 A	Female 
M23 12pins Straight Male 	GNLZ1228-0/M22/L/R	10095040	Brass M22 cable gland Accept 6-10mm cable diameter Solder cup: 85°C, 300 V, 8 A	Male 
M23 17pins Straight Female 	GNLK1728-0/M22/L/R	10052622	Brass M22 cable gland Accept 6-10mm cable diameter Solder cup: 85°C, 150 V, 8 A	Female 
M23 17pins Straight Male 	GNLZ1728-0/M22/L/R	10052623	Brass M22 cable gland Accept 6-10mm cable diameter Solder cup: 85°C, 150 V, 8 A	Male 

# M23 receptacle



Receptacle	Type NO.	ID NO.	Cable	Pinout	
<p>M23 front mount cordset, wire Female</p>	FGWK12-112-0.5/M20	10044990	Wire gauge : 11x0.75mm <sup>2</sup>	<p>Female</p> <ol style="list-style-type: none"> <li>1. WH</li> <li>2. GN</li> <li>3. YE</li> <li>4. GY</li> <li>5. PK</li> <li>6. RD</li> <li>7. BK</li> <li>8. VT</li> <li>9. BU</li> <li>10. BU</li> <li>11. BN</li> <li>12. GN/YE</li> </ol>	
	FGWK12-112-1.0/M20	10044991	Material : PVC Current : 6A Power : 300V		
	FGWK12-122-0.5/M20	10045000	Wire gauge : 12x0.75mm <sup>2</sup>	<p>Female</p> <ol style="list-style-type: none"> <li>1. BN</li> <li>2. BU</li> <li>3. WH</li> <li>4. GN/YE</li> <li>5. OG</li> <li>6. YE</li> <li>7. GY</li> <li>8. PK</li> <li>9. RD</li> <li>10. BN/WH</li> <li>11. BU/WH</li> <li>12. GN/WH</li> </ol>	
	FGWK12-122-1.0/M20	10045145	Material : PVC Current : 6A Power : 300V		
	FGWK17-172-0.5/M20	10044980	Power wire : 3x0.75mm <sup>2</sup>	<p>Female</p> <ol style="list-style-type: none"> <li>1. BU</li> <li>2. RD</li> <li>3. BN</li> <li>4. GY</li> <li>5. GN/YE</li> <li>6. RD/BU</li> <li>7. GN</li> <li>8. GY/PK</li> <li>9. WH/GN</li> <li>10. WH/YE</li> <li>11. WH/GY</li> <li>12. BK</li> <li>13. YE/BN</li> <li>14. BN/GN</li> <li>15. WH</li> <li>16. YE</li> <li>17. PK</li> </ol>	
	FGWK17-172-1.0/M20	10044981	Signal wire : 14X0.34mm <sup>2</sup>	Material : PVC Power : 9A Signal : 2A Voltage : 150V	
	FGWK19-112-0.5/M20	10044970	Power wire : 3x0.75mm <sup>2</sup>	<p>Female</p> <ol style="list-style-type: none"> <li>1. N/C</li> <li>2. N/C</li> <li>3. GY</li> <li>4. RD/BU</li> <li>5. GN</li> <li>6. BU</li> <li>7. GY/PK</li> <li>8. WH/GN</li> <li>9. N/C</li> <li>10. N/C</li> <li>11. N/C</li> <li>12. GN/YE</li> <li>13. N/C</li> <li>14. BN/GN</li> <li>15. WH</li> <li>16. YE</li> <li>17. N/C</li> <li>18. N/C</li> <li>19. BN</li> </ol>	
FGWK19-112-1.0/M20	10044971	Signal wire : 8X0.34mm <sup>2</sup>	Material : PVC Power : 9A Signal : 2A Voltage : 150V		
FGWK19-152-0.5/M20	10044960	Power wire : 3x0.75mm <sup>2</sup>	<p>Female</p> <ol style="list-style-type: none"> <li>1. N/C</li> <li>2. RD</li> <li>3. GY</li> <li>4. RD/BU</li> <li>5. GN</li> <li>6. BU</li> <li>7. GY/PK</li> <li>8. WH/GN</li> <li>9. WH/YE</li> <li>10. N/C</li> <li>11. N/C</li> <li>12. GN/YE</li> <li>13. YE/BN</li> <li>14. BN/GN</li> <li>15. WH</li> <li>16. YE</li> <li>17. PK</li> <li>18. N/C</li> <li>19. BN</li> </ol>		
FGWK19-152-1.0/M20	10044961	Signal wire : 12X0.34mm <sup>2</sup>	Material : PVC Power : 9A Signal : 2A Voltage : 150V		
FGWK19-192-0.5/M20	10045010	Power wire : 3x0.75mm <sup>2</sup>	<p>Female</p> <ol style="list-style-type: none"> <li>1. VT</li> <li>2. RD</li> <li>3. GY</li> <li>4. RD/BU</li> <li>5. GN</li> <li>6. BU</li> <li>7. GY/PK</li> <li>8. WH/GN</li> <li>9. WH/YE</li> <li>10. WH/GY</li> <li>11. BK</li> <li>12. GN/YE</li> <li>13. YE/BN</li> <li>14. BN/GN</li> <li>15. WH</li> <li>16. YE</li> <li>17. PK</li> <li>18. GY/BN</li> <li>19. BN</li> </ol>		
FGWK19-192-1.0/M20	10044021	Signal wire : 16X0.34mm <sup>2</sup>	Material : PVC Power : 9A Signal : 2A Voltage : 150V		



# M23 receptacle



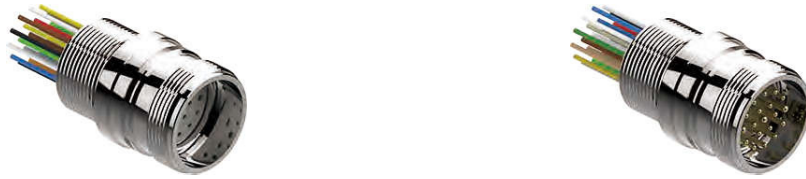
Receptacle	Type NO.	ID NO.	Cable	Pinout
<p>M23 front mount cordset, wire Male</p>	FGWZ12-112-0.5/M20	10044950	Wire gauge : 11x0.75mm <sup>2</sup>	<p>Male</p> <p>1. WH 2. GN 3. YE 4. GY 5. PK 6. RD 7. BK 8. VT 9. BU 10. BU 11. BN 12. GN/YE</p>
	FGWZ12-112-1.0/M20	10044951	Material : PVC Current : 6A Power : 300V	
	FGWZ12-122-0.5/M20	10045120	Wire gauge : 12x0.75mm <sup>2</sup>	<p>Male</p> <p>1. BN 2. BU 3. WH 4. GN/YE 5. OG 6. YE 7. GY 8. PK 9. RD 10. BN/WH 11. BU/WH 12. GN/WH</p>
	FGWZ12-122-1.0/M20	10045119	Material : PVC Current : 6A Power : 300V	
	FGWZ17-172-0.5/M20	10044940	Power wire : 3x0.75mm <sup>2</sup>	<p>Male</p> <p>1. BU 2. RD 3. BN 4. GY 5. GN/YE 6. RD/BU 7. GN 8. GY/PK 9. WH/GN 10. WH/YE 11. WH/GY 12. BK 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK</p>
	FGWZ17-172-1.0/M20	10044941	Signal wire : 14X0.34mm <sup>2</sup> Material : PVC Power : 9A Signal : 2A Voltage : 150V	
FGWZ19-112-0.5/M20	10044930	Power wire : 3x0.75mm <sup>2</sup>	<p>Male</p> <p>1. N/C 2. N/C 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. N/C 10. N/C 11. N/C 12. GN/YE 13. N/C 14. BN/GN 15. WH 16. YE 17. N/C 18. N/C 19. BN</p>	
FGWZ19-112-1.0/M20	10044931	Signal wire : 8X0.34mm <sup>2</sup> Material : PVC Power : 9A Signal : 2A Voltage : 150V		
FGWZ19-152-0.5/M20	10044920	Power wire : 3x0.75mm <sup>2</sup>	<p>Male</p> <p>1. N/C 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. N/C 11. N/C 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. N/C 19. BN</p>	
FGWZ19-152-1.0/M20	10044921	Signal wire : 12X0.34mm <sup>2</sup> Material : PVC Power : 9A Signal : 2A Voltage : 150V		
FGWZ19-192-0.5/M20	10045130	Power wire : 3x0.75mm <sup>2</sup>	<p>Male</p> <p>1. VT 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. WH/GY 11. BK 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. BN</p>	
FGWZ19-192-1.0/M20	10045133	Signal wire : 16X0.34mm <sup>2</sup> Material : PVC Power : 9A Signal : 2A Voltage : 150V		

# M23 receptacle



Receptacle	Type NO.	ID NO.	Cable	Pinout
<p>M23 front mount cordset external thread Solder cup Female</p>	FGWK122-L/M20	10045002	Wire gauge : 0.75mm <sup>2</sup> Current : 6A Voltage : 300V Connection : Solder cup	Female 
	FGWK172-L/M20	10045003	Wire gauge : 0.75mm <sup>2</sup> Current : 6A Voltage : 300V Connection : Solder cup	Female 
	FGWK192-L/M20	10045141	Power wire : 0.75mm <sup>2</sup> Signal wire : 0.34mm <sup>2</sup> Power : 9A Signal : 2A Voltage : 150V Connection : Solder cup	Female 
<p>M23 front mount cordset external thread Solder cup Male</p>	FGWZ122-L/M20	10045122	Wire gauge : 0.75mm <sup>2</sup> Power : 9A Signal : 2A Voltage : 150V Connection : Solder cup	Male 
	FGWZ172-L/M20	10045004	Wire gauge : 0.75mm <sup>2</sup> Power : 9A Signal : 2A Voltage : 150V Connection : Solder cup	Male 
	FGWZ192-L/M20	10045132	Power wire : 0.75mm <sup>2</sup> Signal wire : 0.34mm <sup>2</sup> Power : 9A Signal : 2A Voltage : 150V Connection : Solder cup	Male 

# M23 receptacle(Reverse)



Receptacle	Type NO.	ID NO.	Cable	Pinout
<p>M23 front mount cordset, wire Female</p>	FGWK12-12R2-0.5/M20	10044510	Wire guage : 11x0.75mm <sup>2</sup>	<p>Female</p> <ul style="list-style-type: none"> <li>1. BN</li> <li>2. BU</li> <li>3. WH</li> <li>4. GN/YE</li> <li>5. OG</li> <li>6. YE</li> <li>7. GY</li> <li>8. PK</li> <li>9. RD</li> <li>10. BN/WH</li> <li>11. BU/WH</li> <li>12. GN/WH</li> </ul>
	FGWK12-12R2-1.0/M20	10044511	Material : PVC Current : 6A Power : 300V	
	FGWK17-17R2-0.5/M20	10044520	Power wire : 3x0.75mm <sup>2</sup>	<p>Female</p> <ul style="list-style-type: none"> <li>1. BU</li> <li>2. RD</li> <li>3. BN</li> <li>4. GY</li> <li>5. GN/YE</li> <li>6. RD/BU</li> <li>7. GN</li> <li>8. GY/PK</li> <li>9. WH/GN</li> <li>10. WH/YE</li> <li>11. WH/GY</li> <li>12. BK</li> <li>13. YE/BN</li> <li>14. BN/GN</li> <li>15. WH</li> <li>16. YE</li> <li>17. PK</li> </ul>
	FGWK17-17R2-1.0/M20	10044521	Signal wire : 14X0.34mm <sup>2</sup> Material : PVC Power : 9A Signal : 2A Voltage : 150V	
<p>M23 front mount cordset, wire Female</p>	FGWZ12-12R2-0.5/M20	10044570	Wire guage : 12x0.75mm <sup>2</sup>	<p>Male</p> <ul style="list-style-type: none"> <li>1. BN</li> <li>2. BU</li> <li>3. WH</li> <li>4. GN/YE</li> <li>5. OG</li> <li>6. YE</li> <li>7. GY</li> <li>8. PK</li> <li>9. RD</li> <li>10. BN/WH</li> <li>11. BU/WH</li> <li>12. GN/WH</li> </ul>
	FGWZ12-12R2-1.0/M20	10044571	Material : PVC Current : 6A Power : 300V	
	FGWZ17-17R2-0.5/M20	10044580	Power wire : 3x0.75mm <sup>2</sup>	<p>Male</p> <ul style="list-style-type: none"> <li>1. BU</li> <li>2. RD</li> <li>3. BN</li> <li>4. GY</li> <li>5. GN/YE</li> <li>6. RD/BU</li> <li>7. GN</li> <li>8. GY/PK</li> <li>9. WH/GN</li> <li>10. WH/YE</li> <li>11. WH/GY</li> <li>12. BK</li> <li>13. YE/BN</li> <li>14. BN/GN</li> <li>15. WH</li> <li>16. YE</li> <li>17. PK</li> </ul>
	FGWZ17-17R2-1.0/M20	10044581	Signal wire : 14X0.34mm <sup>2</sup> Material : PVC Power : 9A Signal : 2A Voltage : 150V	

M23 receptacle(Reverse)



Receptacle	Type NO.	ID NO.	Cable	Pinout
<p>M23 front mount cordset external thread Solder cup Female</p>	FGWK12R2-L/M20	10044710	<p>Wire guage 0.75mm<sup>2</sup> Current : 6A Voltage : 300V Connection Solder cup</p>	<p>Female</p>
	FGWK17R2-L/M20	10044711	<p>Wire guage 0.75mm<sup>2</sup> Current : 6A Voltage : 150V Connection Solder cup</p>	<p>Female</p>
<p>M23 front mount cordset external thread Solder cup Male</p>	FGWZ12R2-L/M20	10044713	<p>Power wire : 0.75mm<sup>2</sup> Signal wire : 0.34mm<sup>2</sup> Power : 9A Signal : 2A Voltage : 300V Connection : Solder cup</p>	<p>Male</p>
	FGWZ17R2-L/M20	10044714	<p>Wire guage : 0.75mm<sup>2</sup> Power : 9A Signal : 2A Voltage : 150V Connection : Solder cup</p>	<p>Male</p>

# M23 receptacle



Receptacle	Type NO.	ID NO.	Cable	Pinout
<p>M23 rectangular screw connection wire Female</p>	FGWK12-11-0.5/RS19.8 FGWK12-11-1.0/RS19.8	10044220 10044221	Wire gauge : 11x0.75mm <sup>2</sup> Material : PVC Current : 6A Power : 300V	Female <ul style="list-style-type: none"> <li>1. WH</li> <li>2. GN</li> <li>3. YE</li> <li>4. GY</li> <li>5. PK</li> <li>6. RD</li> <li>7. BK</li> <li>8. VT</li> <li>9. BU</li> <li>10. BU</li> <li>11. BN</li> <li>12. GN/YE</li> </ul>
	FGWK12-12-0.5/RS19.8 FGWK12-12-1.0/RS19.8	10044230 10044231	Wire gauge : 12x0.75mm <sup>2</sup> Material : PVC Current : 6A Power : 300V	Female <ul style="list-style-type: none"> <li>1. BN</li> <li>2. BU</li> <li>3. WH</li> <li>4. GN/YE</li> <li>5. OG</li> <li>6. YE</li> <li>7. GY</li> <li>8. PK</li> <li>9. RD</li> <li>10. BN/WH</li> <li>11. BU/WH</li> <li>12. GN/WH</li> </ul>
	FGWK17-17-0.5/RS19.8 FGWK17-17-1.0/RS19.8	10044240 10044241	Power wire : 3x0.75mm <sup>2</sup> Signal wire : 14X0.34mm <sup>2</sup> Material : PVC Power : 9A Signal : 2A Voltage : 150V	Female <ul style="list-style-type: none"> <li>1. BU</li> <li>2. RD</li> <li>3. BN</li> <li>4. GY</li> <li>5. GN/YE</li> <li>6. RD/BU</li> <li>7. GN</li> <li>8. GY/PK</li> <li>9. WH/GN</li> <li>10. WH/YE</li> <li>11. WH/GY</li> <li>12. BK</li> <li>13. YE/BN</li> <li>14. BN/GN</li> <li>15. WH</li> <li>16. YE</li> <li>17. PK</li> </ul>
	FGWK19-11-0.5/RS19.8 FGWK19-11-1.0/RS19.8	10044250 10044251	Power wire : 3x0.75mm <sup>2</sup> Signal wire : 8X0.34mm <sup>2</sup> Material : PVC Power : 9A Signal : 2A Voltage : 150V	Female <ul style="list-style-type: none"> <li>1. N/C</li> <li>2. N/C</li> <li>3. GY</li> <li>4. RD/BU</li> <li>5. GN</li> <li>6. BU</li> <li>7. GY/PK</li> <li>8. WH/GN</li> <li>9. N/C</li> <li>10. N/C</li> <li>11. N/C</li> <li>12. GN/YE</li> <li>13. N/C</li> <li>14. BN/GN</li> <li>15. WH</li> <li>16. YE</li> <li>17. N/C</li> <li>18. N/C</li> <li>19. BN</li> </ul>
	FGWK19-15-0.5/RS19.8 FGWK19-15-1.0/RS19.8	10044260 10044261	Power wire : 3x0.75mm <sup>2</sup> Signal wire : 12X0.34mm <sup>2</sup> Material : PVC Power : 9A Signal : 2A Voltage : 150V	Female <ul style="list-style-type: none"> <li>1. N/C</li> <li>2. RD</li> <li>3. GY</li> <li>4. RD/BU</li> <li>5. GN</li> <li>6. BU</li> <li>7. GY/PK</li> <li>8. WH/GN</li> <li>9. WH/YE</li> <li>10. N/C</li> <li>11. N/C</li> <li>12. GN/YE</li> <li>13. YE/BN</li> <li>14. BN/GN</li> <li>15. WH</li> <li>16. YE</li> <li>17. PK</li> <li>18. N/C</li> <li>19. BN</li> </ul>
	FGWK19-19-0.5/RS19.8 FGWK19-19-1.0/RS19.8	10044270 10044271	Power wire : 3x0.75mm <sup>2</sup> Signal wire : 16X0.34mm <sup>2</sup> Material : PVC Power : 9A Signal : 2A Voltage : 150V	Female <ul style="list-style-type: none"> <li>1. VT</li> <li>2. RD</li> <li>3. GY</li> <li>4. RD/BU</li> <li>5. GN</li> <li>6. BU</li> <li>7. GY/PK</li> <li>8. WH/GN</li> <li>9. WH/YE</li> <li>10. WH/GY</li> <li>11. BK</li> <li>12. GN/YE</li> <li>13. YE/BN</li> <li>14. BN/GN</li> <li>15. WH</li> <li>16. YE</li> <li>17. PK</li> <li>18. GY/BN</li> <li>19. BN</li> </ul>

# M23 receptacle



Receptacle	Type NO.	ID NO.	Cable	Pinout
<p>M23 rectangular screw connection wire Male</p> <p>Hole Size</p>	FGWZ12-11-0.5/RS19.8 FGWZ12-11-1.0/RS19.8	10044280 10044281	Wire gauge : 11x0.75mm <sup>2</sup> Material : PVC Current : 6A Power : 300V	<p>Male</p> <p>1. WH 2. GN 3. YE 4. GY 5. PK 6. RD 7. BK 8. VT 9. BU 10. BU 11. BN 12. GN/YE</p>
	FGWZ12-12-0.5/RS19.8 FGWZ12-12-1.0/RS19.8	10044290 10044291	Wire gauge : 12x0.75mm <sup>2</sup> Material : PVC Current : 6A Power : 300V	<p>Male</p> <p>1. BN 2. BU 3. WH 4. GN/YE 5. OG 6. YE 7. GY 8. PK 9. RD 10. BN/WH 11. BU/WH 12. GN/WH</p>
	FGWZ17-17-0.5/RS19.8 FGWZ17-17-1.0/RS19.8	10044300 10044301	Power wire : 3x0.75mm <sup>2</sup> Signal wire : 14X0.34mm <sup>2</sup> Material : PVC Power : 9A Signal : 2A Voltage : 150V	<p>Male</p> <p>1. BU 2. RD 3. BN 4. GY 5. GN/YE 6. RD/BU 7. GN 8. GY/PK 9. WH/GN 10. WH/YE 11. WH/GY 12. BK 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK</p>
	FGWZ19-11-0.5/RS19.8 FGWZ19-11-1.0/RS19.8	10044310 10044311	Power wire : 3x0.75mm <sup>2</sup> Signal wire : 8X0.34mm <sup>2</sup> Material : PVC Power : 9A Signal : 2A Voltage : 150V	<p>Male</p> <p>1. N/C 2. N/C 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. N/C 10. N/C 11. N/C 12. GN/YE 13. N/C 14. BN/GN 15. WH 16. YE 17. N/C 18. N/C 19. BN</p>
	FGWZ19-15-0.5/RS19.8 FGWZ19-15-1.0/RS19.8	10044450 10044451	Power wire : 3x0.75mm <sup>2</sup> Signal wire : 12X0.34mm <sup>2</sup> Material : PVC Power : 9A Signal : 2A Voltage : 150V	<p>Male</p> <p>1. N/C 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. N/C 11. N/C 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. N/C 19. BN</p>
	FGWZ19-19-0.5/RS19.8 FGWZ19-19-1.0/RS19.8	10044320 10044321	Power wire : 3x0.75mm <sup>2</sup> Signal wire : 16X0.34mm <sup>2</sup> Material : PVC Power : 9A Signal : 2A Voltage : 150V	<p>Male</p> <p>1. VT 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. WH/GY 11. BK 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. BN</p>

# M23 receptacle(Reverse)



Receptacle	Type NO.	ID NO.	Cable	Pinout
<p>M23 rectangular screw connection wire Male</p>	<p>FGWZ12-12R-0.5/RS19.8 FGWZ12-12R-1.0/RS19.8</p>	<p>10044400 10044401</p>	<p>Wire gauge : 12x0.75mm<sup>2</sup> Material : PVC Current : 6A Power : 300V</p>	<p>Male</p> <ul style="list-style-type: none"> <li>1. BN</li> <li>2. BU</li> <li>3. WH</li> <li>4. GN/YE</li> <li>5. OG</li> <li>6. YE</li> <li>7. GY</li> <li>8. PK</li> <li>11. BU/WH</li> <li>9. RD</li> <li>12. GN/WH</li> <li>10. BN/WH</li> </ul>
<p>Hole Size</p>	<p>FGWZ17-17R-0.5/RS19.8 FGWZ17-17R-1.0/RS19.8</p>	<p>10044410 10044411</p>	<p>Power wire : 3x0.75mm<sup>2</sup> Signal wire : 14X0.34mm<sup>2</sup> Material : PVC Power : 9A Signal : 2A Voltage : 150V</p>	<p>Male</p> <ul style="list-style-type: none"> <li>1. BU</li> <li>2. RD</li> <li>3. BN</li> <li>4. GY</li> <li>5. GN/YE</li> <li>6. RD/BU</li> <li>7. GN</li> <li>13. YE/BN</li> <li>8. GY/PK</li> <li>14. BN/GN</li> <li>9. WH/GN</li> <li>15. WH</li> <li>10. WH/YE</li> <li>16. YE</li> <li>11. WH/GY</li> <li>17. PK</li> <li>12. BK</li> </ul>
<p>M23 rectangular screw connection wire Female</p>	<p>FGWK12-12R-0.5/RS19.8 FGWK12-12R-1.0/RS19.8</p>	<p>10044340 10044341</p>	<p>Wire gauge : 12x0.75mm<sup>2</sup> Material : PVC Current : 6A Power : 300V</p>	<p>Female</p> <ul style="list-style-type: none"> <li>1. BN</li> <li>2. BU</li> <li>3. WH</li> <li>4. GN/YE</li> <li>5. OG</li> <li>6. YE</li> <li>7. GY</li> <li>8. PK</li> <li>11. BU/WH</li> <li>9. RD</li> <li>12. GN/WH</li> <li>10. BN/WH</li> </ul>
<p>Hole Size</p>	<p>FGWK17-17R-0.5/RS19.8 FGWK17-17R-1.0/RS19.8</p>	<p>10044350 10044351</p>	<p>Power wire : 3x0.75mm<sup>2</sup> Signal wire : 14X0.34mm<sup>2</sup> Material : PVC Power : 9A Signal : 2A Voltage : 150V</p>	<p>Female</p> <ul style="list-style-type: none"> <li>1. BU</li> <li>2. RD</li> <li>3. BN</li> <li>4. GY</li> <li>5. GN/YE</li> <li>6. RD/BU</li> <li>7. GN</li> <li>8. GY/PK</li> <li>13. YE/BN</li> <li>14. BN/GN</li> <li>9. WH/GN</li> <li>15. WH</li> <li>10. WH/YE</li> <li>16. YE</li> <li>11. WH/GY</li> <li>17. PK</li> <li>12. BK</li> </ul>

# M23 receptacle

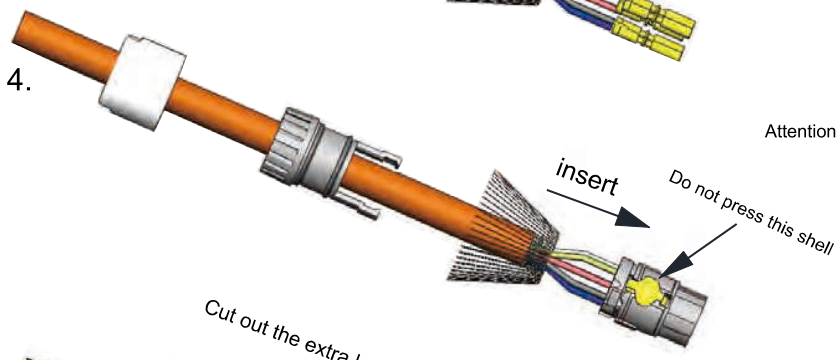
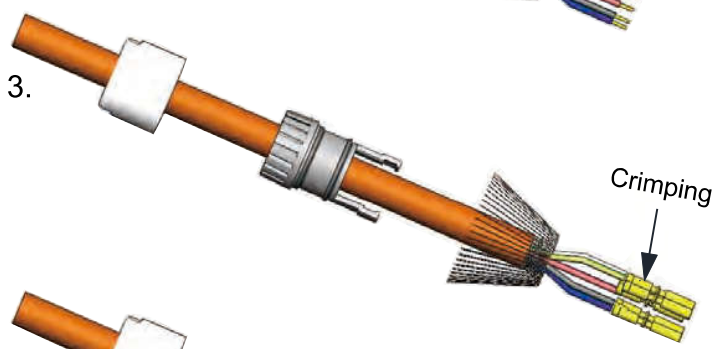
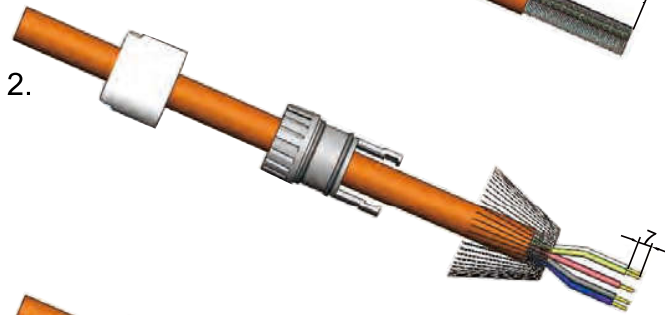
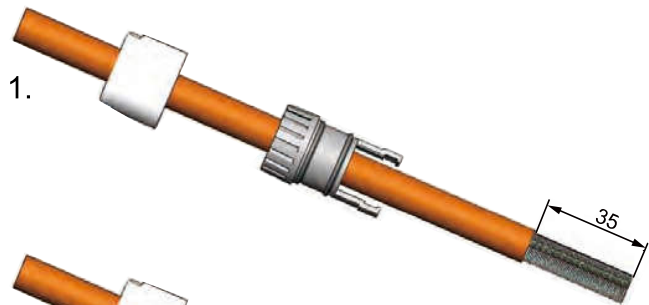


Receptacle	Type NO.	ID NO.	Cable	Pinout
<p>M23 rectangular screw connection wire Male</p> <p>Hole Size</p>	FGWZ6228-C/RS19.8	10052270	Brass Crimp 105°C , 6 POS Power : 630 V , 28 A /C : 2.5mm <sup>2</sup> Max /C1: 4mm <sup>2</sup> Max	Male 
	FGWZ6228-C1/RS19.8	10093264		
	GFZ1-2.5-C.6228	10093265	Wire gauge : 1~2.5mm <sup>2</sup>	
	GFZ2.5-4-C1.6228	10093266	Wire gauge : 2.5~4mm <sup>2</sup>	

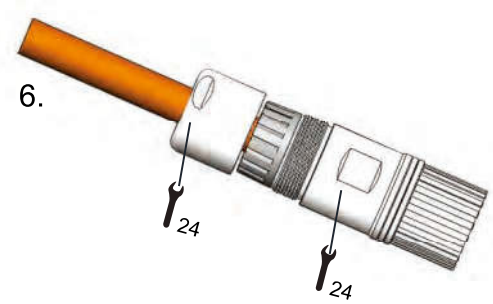
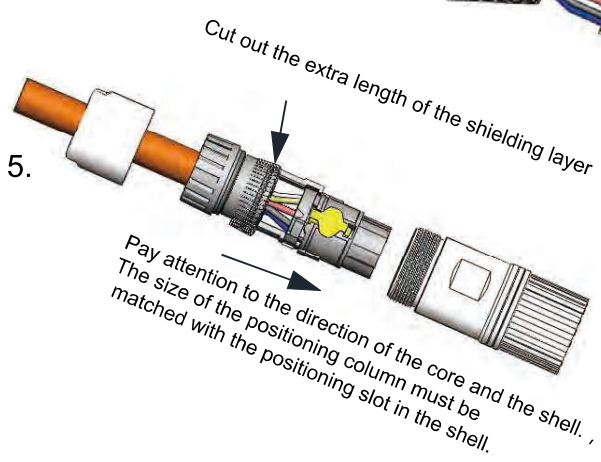
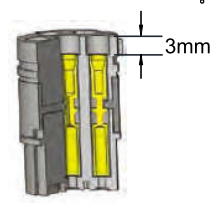


# M23 6Pin receptacle instruction

# GNK6228-0/M22/C instruction



Attention : Use screwdriver push the contact to the right position.



FGWZ6228-C/RS19.8 instruction

