

## Circular Connector M23

630/250V 30/9A

## Technical characteristics

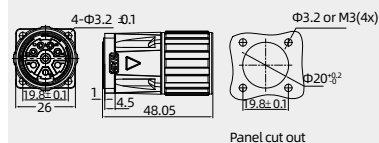
| Specifications         |                 |                  |                 |                          |                  |
|------------------------|-----------------|------------------|-----------------|--------------------------|------------------|
| Specifications         | DIN EN 60 664   |                  |                 |                          |                  |
|                        | DIN EN 61 984   |                  |                 |                          |                  |
| Approvals              |                 |                  |                 |                          |                  |
| Electrical data        |                 |                  |                 | Mechanical date          |                  |
| Number of contacts     | 6(5+PE)         | 8(4+3+PE)        |                 | Housing material         | CuZn,Zinc(GD-Zn) |
| Contacts               | 5+PE            | 4                | 3+PE            | Housing surface          | Nickel-plated    |
| ContactsΦ(mm)          | 2               | 1                | 2               | Insulating bodies        | Polyamide        |
| mm²/AWG                | 0.1...4.0/28-12 | 0.03...1.0/32-18 | 0.1...4.0/28-12 | Contact material         | copper alloy     |
| Rated current(25°C )   | 30              | 9                | 30              | Contact surface          | gold plated      |
| Rated voltage          | 630             | 250              | 630             | Terminal                 | Crimp version    |
| Test voltage Urms (AC) | 6kV             | 4kV              | 6kV             | Gasket and O ring        | Fluorine rubber  |
| Overvoltage categorie  | III             |                  | III             | Ambient temperature      | -40°C ...+130°C  |
| Pollution degree       | 3               |                  | 3               | Connector locking system | M23screw         |
|                        |                 |                  |                 | Mechanical operation     | > 500            |
|                        |                 |                  |                 | Degree of protection     | IP67             |

## Female, Crimp terminal

order crimp contacts separately



| Contacts  | Designation     | Order No.        |
|-----------|-----------------|------------------|
| 6(5+PE)   | M23-FC06-BK26   | 166 006 320 1001 |
| 8(4+3+PE) | M23-FC04/4-BK26 | 166 008 020 1001 |

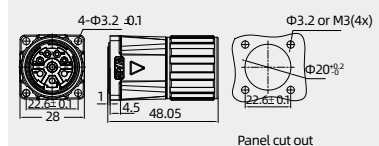


## Female, Crimp terminal

order crimp contacts separately



| Contacts  | Designation     | Order No.        |
|-----------|-----------------|------------------|
| 6(5+PE)   | M23-FC06-BK28   | 166 006 320 1002 |
| 8(4+3+PE) | M23-FC04/4-BK28 | 166 008 020 1002 |



## Crimp contacts

## Crimp contacts 9A/30A

9A



30A



| No. | Wire gauge(mm <sup>2</sup> ) | Female        | Order No.        |
|-----|------------------------------|---------------|------------------|
| ①   | 0.03-0.34                    | M23-FC9G-0.34 | 101 031 220 2501 |
| ②   | 0.14-1.0                     | M23-FC9G-1.0  | 101 031 220 0801 |
| ③   | 0.5-1.5                      | M23-FC9G-1.5  | 101 031 220 0901 |
| ④   | 0.35-2.5                     | M23-FC30G-2.5 | 101 032 220 1001 |
| ⑤   | 2.5-4.0                      | M23-FC30G-4.0 | 101 032 220 1201 |

| NO. | Φa   | Φb   | c    | Stripping Length |
|-----|------|------|------|------------------|
| ①   | 1.7  | 0.9  | 14   | 4mm              |
| ②   | 2.1  | 1.45 | 14   | 4mm              |
| ③   | 1.75 | -    | 16.7 | 4.9mm            |

| NO. | marked line | Φ    | Stripping Length |
|-----|-------------|------|------------------|
| ④   | -           | 2.25 | 7.5mm            |
| ⑤   | -           | 2.85 | 7.5mm            |

## Tools

Crimping tool



| Wire gauge             | Designation | Order No.        |
|------------------------|-------------|------------------|
| 0.14-4 mm <sup>2</sup> | TL28-2      | 198 001 001 0039 |

Notes: The tools for crimp terminal may influence the product quality and stability.  
Please select the tools recognized by our company.