

## MR23 Circular connector

160V/125V- 7A

## Technical characteristics

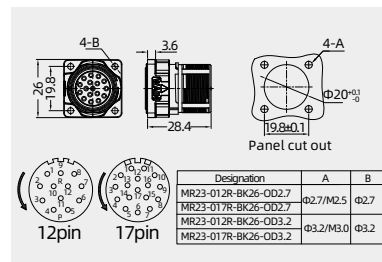
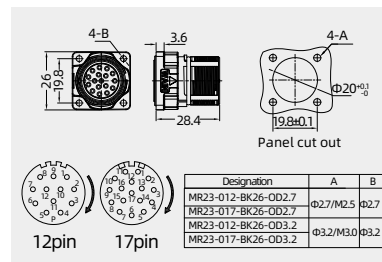
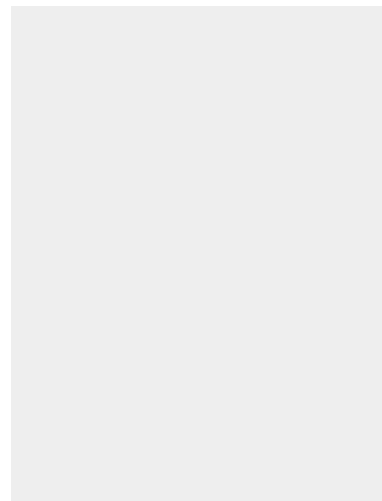
| Specifications             |                            |           |                         |                         |
|----------------------------|----------------------------|-----------|-------------------------|-------------------------|
| Specifications             | DIN EN 60 664              |           |                         |                         |
|                            | DIN EN 61 984              |           |                         |                         |
| Approvals                  |                            |           |                         |                         |
| Electrical data            |                            |           | Mechanical date         |                         |
| Number of contacts         | 12                         | 17        | Housing material        | copper alloy,zinc alloy |
| Rated current              | 7A                         | 7A        | Housing surface         | Nickel-plated           |
| mm²/ AWG                   | (0.03-1.0 mm² / AWG 32-18) |           | Contact resistance      | ≤ 5 mΩ                  |
| Rated voltage              | 160 V                      | 125 V     | Insulating bodies       | PBT                     |
| Rated impulse voltage      | 2.5 kV                     | 2.0 kV    | Contact material        | copper alloy            |
| Pollution degree           | 3                          | 3         | Contact surface         | gold plated             |
| Flammability acc. to UL 94 | V0 (UL94)                  | V0 (UL94) | Mechanical working life | >500                    |
| Overvoltage categorie      | III                        | III       | Degree of protection    | IP67                    |
|                            |                            |           | Limiting temperature    | -40°C ...+130°C         |

Forward coding, Crimp terminal  
order crimp contacts separately

| Contacts | Designation         | Order No.        |
|----------|---------------------|------------------|
| 12       | MR23-012-BK26-OD2.7 | 181 012 300 2001 |
| 17       | MR23-017-BK26-OD2.7 | 181 017 300 2001 |
| 12       | MR23-012-BK26-OD3.2 | 181 012 300 3001 |
| 17       | MR23-017-BK26-OD3.2 | 181 017 300 3001 |
| 12       | MR23-012-BK28-OD3.2 | 181 012 300 2003 |
| 17       | MR23-017-BK28-OD3.2 | 181 017 300 2004 |

Reverse coding, Crimp terminal  
order crimp contacts separately

| Contacts | Designation          | Order No.        |
|----------|----------------------|------------------|
| 12       | MR23-012R-BK26-OD2.7 | 181 012 300 2002 |
| 17       | MR23-017R-BK26-OD2.7 | 181 017 300 2002 |
| 12       | MR23-012R-BK26-OD3.2 | 181 012 300 3002 |
| 17       | MR23-017R-BK26-OD3.2 | 181 017 300 2003 |
| 12       | MR23-012R-BK28-OD3.2 | 181 012 300 2004 |
| 17       | MR23-017R-BK28-OD3.2 | 181 017 300 2005 |



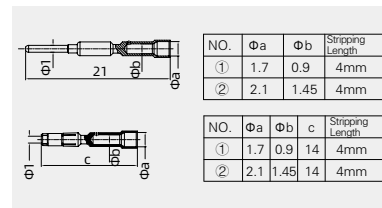
## Crimp contacts

## Crimp contacts 9A

9A



| NO. | Wire gauge(mm <sup>2</sup> ) | Male          | Order No.        |
|-----|------------------------------|---------------|------------------|
| ①   | 0.03-0.34                    | M23-MC9G-0.34 | 101 031 210 2501 |
| ②   | 0.14-1.0                     | M23-MC9G-1.0  | 101 031 210 0801 |
| 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 |



## 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.