

## M17 Circular connector

630/63V - 14/0.6A

## Technical characteristics

| Specifications             |                |                |                         |                         |
|----------------------------|----------------|----------------|-------------------------|-------------------------|
| Specifications             | DIN EN 60 664  |                |                         |                         |
|                            | DIN EN 61 984  |                |                         |                         |
| Approvals                  |                |                |                         |                         |
| Electrical data            |                |                | Mechanical date         |                         |
| Number of contacts         | 5              | 3+PE           | Housing material        | copper alloy,zinc alloy |
| Rated current              | 3.6            | 14A            | Housing surface         | Nickel-plated           |
| mm²/ AWG                   | 0.14-0.5/26-20 | 0.03-1.5/32-16 | Contact resistance      | ≤ 5 mΩ                  |
| Rated voltage              | 63V            | 630V           | Insulating bodies       | PBT                     |
| Rated impulse voltage      | 1.5kV          | 6kV            | 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                    |
|                            |                |                | Temperature range       | -40°C ...+130°C         |

## Male, Crimp terminal

order crimp contacts separately



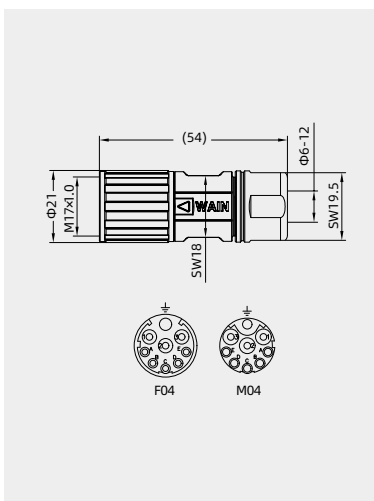
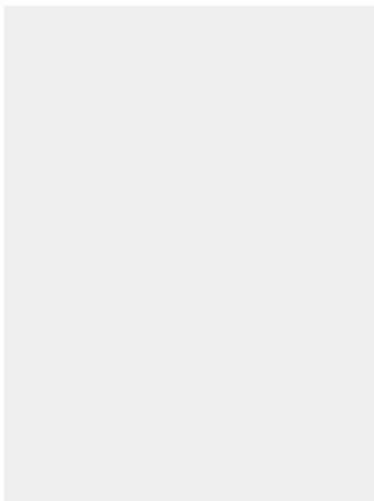
| Contacts     | Cable outlet | Designation          | Order No.        |
|--------------|--------------|----------------------|------------------|
| 9(5+4(3+PE)) | 6-9mm        | M17-MC04/5-T-D9.5-SH | 165 009 410 2500 |
|              | 9-12mm       | M17-MC04/5-T-D12-SH  | 165 009 410 2501 |

## Female, Crimp terminal

order crimp contacts separately



| Contacts     | Cable outlet | Designation          | Order No.        |
|--------------|--------------|----------------------|------------------|
| 9(5+4(3+PE)) | 6-9mm        | M17-FC04/5-T-D9.5-SH | 165 009 420 2502 |
|              | 9-12mm       | M17-FC04/5-T-D12-SH  | 165 009 420 2500 |



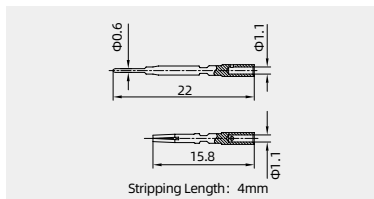
## Crimp contacts

## Crimp contacts 3.6A

3.6A(signal)



| NO. | Wire gauge(mm <sup>2</sup> ) | Male           | Order No.        |
|-----|------------------------------|----------------|------------------|
| ①   | 0.14-0.5                     | M17-MC3.6G-0.5 | 101 039 210 0401 |
| NO. | Wire gauge(mm <sup>2</sup> ) | Female         | Order No.        |
| ①   | 0.14-0.5                     | M17-FC3.6G-0.5 | 101 039 220 0401 |

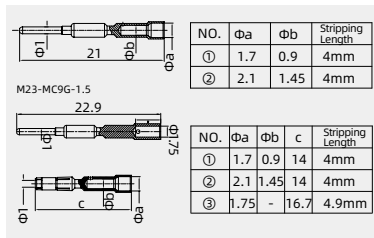


## Crimp contacts

power



| 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 |
| ③   | 0.5-1.5                      | M23-MC9G-1.5  | 101 031 210 0901 |
| 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 |



## Tools

Crimping tool



| Wire gauge                | Designation | Order No.        |
|---------------------------|-------------|------------------|
| 0.09-0.82 mm <sup>2</sup> | TL03        | 198 001 001 0002 |

## 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.