

## M8 Circular Connector

30/60V 4A

## Technical characteristics

|                          | 3-pole                      | 4-pole                      |
|--------------------------|-----------------------------|-----------------------------|
| Rated current(40°C )     | 4A                          | 4A                          |
| Rated voltage            | 60V                         | 30V                         |
| Rated impulse voltage    | 800V                        | 800V                        |
| Pollution degree         | 3                           | 3                           |
| Overvoltage categorie    | II                          | II                          |
| Contact resistance       | ≤ 10 mΩ                     | ≤ 10 mΩ                     |
| Connector locking system | screw                       | screw                       |
| Termination              | crimp, moulded              | crimp, moulded              |
| Wire gauge               | 0.25mm <sup>2</sup> (AWG24) | 0.25mm <sup>2</sup> (AWG24) |
| Cable outlet             | -                           | -                           |
| Degree of protection     | IP67                        | IP67                        |
| Mechanical operation     | > 100                       | > 100                       |
| Limiting temperature     | -25°C ...+85°C              | -25°C ...+85°C              |
| Material group           | II                          | II                          |
| Material of contact      | copper alloy                | copper alloy                |
| Contact plating          | Au                          | Au                          |
| Insulating material      | PA                          | PA                          |
| Material of housing      | TPU                         | TPU                         |

## Cable connectors-wire jumper

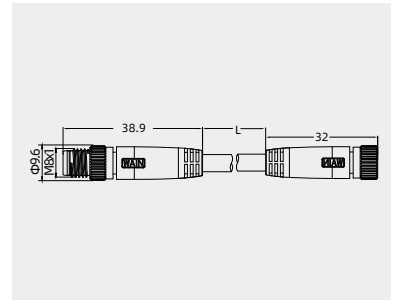
## Male/female cable connector



## Contact arrangements



| Contacts | Cable length | Cable     | Designation            | Order No.        |
|----------|--------------|-----------|------------------------|------------------|
| 3        | 1.5m         | 3x0.25PVC | M8-M03-T/F03-T-1.5-PVC | 162 003 401 4010 |
|          |              | 3x0.25PUR | M8-M03-T/F03-T-1.5-PUR | 162 003 401 4011 |
|          | 5.0m         | 3x0.25PVC | M8-M03-T/F03-T-5.0-PVC | 162 003 401 4506 |
|          |              | 3x0.25PUR | M8-M03-T/F03-T-5.0-PUR | 162 003 401 4004 |
| 4        | 1.5m         | 4x0.25PVC | M8-M04-T/F04-T-1.5-PVC | 162 004 401 4010 |
|          |              | 4x0.25PUR | M8-M04-T/F04-T-1.5-PUR | 162 004 401 4011 |
|          | 5.0m         | 4x0.25PVC | M8-M04-T/F04-T-5.0-PVC | 162 004 401 4007 |
|          |              | 4x0.25PUR | M8-M04-T/F04-T-5.0-PUR | 162 004 401 4008 |



## Male cable connector



## Contact arrangements



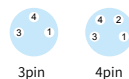
| Contacts | Cable length | Cable     | Designation            | Order No.        |
|----------|--------------|-----------|------------------------|------------------|
| 3        | 1.5m         | 3x0.25PVC | M8-M03-T/M03-T-1.5-PVC | 162 003 401 4012 |
|          |              | 3x0.25PVC | M8-M03-T/M03-T-5.0-PVC | 162 003 401 4013 |
| 4        | 5.0m         | 4x0.25PVC | M8-M04-T/M04-T-1.5-PVC | 162 004 401 4012 |
|          |              | 4x0.25PVC | M8-M04-T/M04-T-5.0-PVC | 162 004 401 4009 |



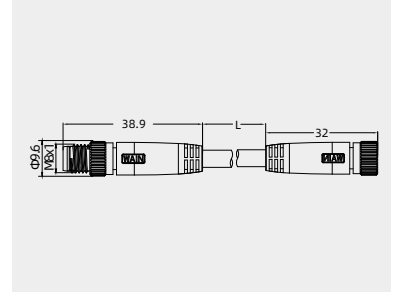
## Female cable connector



## Contact arrangements



| Contacts | Cable length | Cable     | Designation            | Order No.        |
|----------|--------------|-----------|------------------------|------------------|
| 3        | 1.5m         | 3x0.25PVC | M8-F03-T/F03-T-1.5-PVC | 162 003 402 4006 |
|          |              | 3x0.25PVC | M8-F03-T/F03-T-5.0-PVC | 162 003 402 4005 |
| 4        | 5.0m         | 4x0.25PVC | M8-F04-T/F04-T-1.5-PVC | 162 004 402 4014 |
|          |              | 4x0.25PVC | M8-F04-T/F04-T-5.0-PVC | 162 004 402 4013 |



•Other cable lengths can be customized, PVC/PUR double-ended connectors, male/female, straight/angled, shielded/unshielded, freely combinable.