

## M12-A Circular Connector

36V 4A

## Technical characteristics

|                          | 3-pole                      | 4-pole                      |
|--------------------------|-----------------------------|-----------------------------|
| Rated current (40°C )    | 4A                          | 4A                          |
| Rated voltage            | 36V                         | 36V                         |
| Rated impulse voltage    | 500V                        | 500V                        |
| Pollution degree         | 3                           | 3                           |
| Overvoltage categorie    | II                          | II                          |
| Contact resistance       | ≤ 10 mΩ                     | ≤ 10 mΩ                     |
| Connector locking system | screw M12x1                 | screw M12x1                 |
| Termination              | crimp, moulded              | crimp, moulded              |
| Wire gauge               | 0.34mm <sup>2</sup> (AWG22) | 0.34mm <sup>2</sup> (AWG22) |
| 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                         |

## Angled cable connectors ,cable

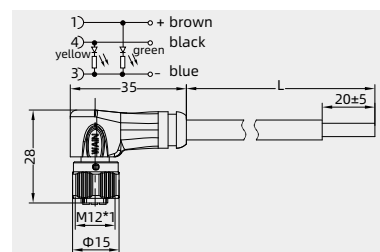
Female angled connector moulded,  
with LED PNP normally open

A-Code



3pin

| Contacts | Cable     | Cable length | Designation            | Order No.        |
|----------|-----------|--------------|------------------------|------------------|
| 3        | 3x0.34PVC | 1.5 m        | M12-F03A-S-1.5-PVC-LED | 163 003 502 4003 |
|          |           | 5.0 m        | M12-F03A-S-5.0-PVC-LED | 163 003 502 4004 |
| 3        | 3x0.34PUR | 1.5 m        | M12-F03A-S-1.5-PUR-LED | 163 003 502 4043 |
|          |           | 5.0 m        | M12-F03A-S-5.0-PUR-LED | 163 003 502 4044 |

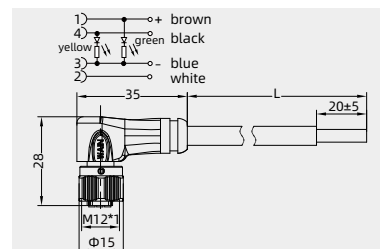
Female angled connector moulded,  
with LED PNP normally closed/  
open,antivalent

A-Code



3pin

| Contacts | Cable     | Cable length | Designation             | Order No.        |
|----------|-----------|--------------|-------------------------|------------------|
| 4        | 4x0.34PVC | 1.5 m        | M12-F04A-S-1.5-PVC-LED1 | 163 004 502 4005 |
|          |           | 5.0 m        | M12-F04A-S-5.0-PVC-LED1 | 163 004 502 4006 |
| 4        | 4x0.34PUR | 1.5 m        | M12-F04A-S-1.5-PUR-LED1 | 163 004 502 4045 |
|          |           | 5.0 m        | M12-F04A-S-5.0-PUR-LED1 | 163 004 502 4046 |

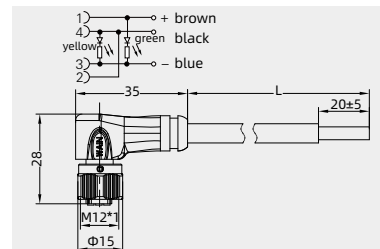
Female angled connector moulded,  
with LED PNP normally closed/  
open

A-Code



4pin

| Contacts | Cable     | Cable length | Designation             | Order No.        |
|----------|-----------|--------------|-------------------------|------------------|
| 3        | 3x0.34PUR | 1.5 m        | M12-F03A-S-1.5-PUR-LED2 | 163 003 502 4047 |
|          |           | 5.0 m        | M12-F03A-S-5.0-PUR-LED2 | 163 003 502 4048 |

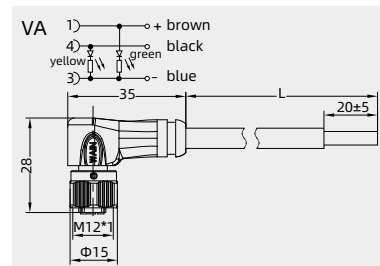
Female angled connector moulded,  
with LED PNP normally open,  
stainless steel ring nut

A-Code



3pin

| Contacts | Cable     | Cable length | Designation             | Order No.        |
|----------|-----------|--------------|-------------------------|------------------|
| 3        | 3x0.34PUR | 1.5 m        | M12S-F03A-S-1.5-PUR-LED | 163 003 502 4243 |
|          |           | 5.0 m        | M12S-F03A-S-5.0-PUR-LED | 163 003 502 4244 |



•Further cable length upon request.