

## M12-A Circular Connector

60/125/250V 2/4A

## Technical characteristics

|                          | 4-pole                        | 5-pole                        | 8-pole                        |
|--------------------------|-------------------------------|-------------------------------|-------------------------------|
| Rated current (40°C )    | 4A                            | 4A                            | 2A                            |
| Rated voltage            | 250V                          | 125V                          | 60V                           |
| Rated impulse voltage    | 2500V                         | 1500V                         | 800V                          |
| Pollution degree         | 3                             | 3                             | 3                             |
| Overvoltage categorie    | II                            | II                            | II                            |
| Contact resistance       | ≤ 10 mΩ                       | ≤ 10 mΩ                       | ≤ 10 mΩ                       |
| Connector locking system | screw M12x1                   | screw M12x1                   | screw M12x1                   |
| Termination              | dip solder                    | dip solder                    | dip solder                    |
| Wire gauge               | -                             | -                             | -                             |
| Cable outlet             | -                             | -                             | -                             |
| Degree of protection     | IP67                          | IP67                          | IP67                          |
| Mechanical operation     | > 100                         | > 100                         | > 100                         |
| Limiting temperature     | -40°C ...+85°C                | -40°C ...+85°C                | -40°C ...+85°C                |
| Material group           | II                            | II                            | II                            |
| Material of contact      | copper alloy                  | copper alloy                  | copper alloy                  |
| Contact plating          | Au                            | Au                            | Au                            |
| Insulating material      | PA                            | PA                            | PA                            |
| Material of housing      | zinc diecasting nickel plated | zinc diecasting nickel plated | zinc diecasting nickel plated |

## Socket

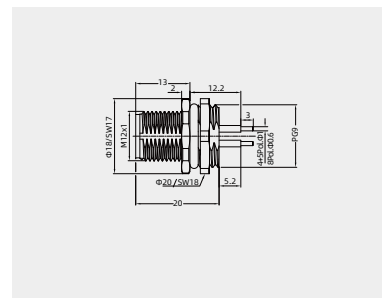
Male panel mount connector, dip solder



A-Code



| Contacts | screw   | Designation       | Order No.        |
|----------|---------|-------------------|------------------|
| 4        | PG9     | M12-M04A-BK-PG9-D | 163 004 314 1001 |
|          | M16x1.5 | M12-M04A-BK-M16-D | 163 004 314 1002 |
| 5        | PG9     | M12-M05A-BK-PG9-D | 163 005 314 1001 |
|          | M16x1.5 | M12-M05A-BK-M16-D | 163 005 314 1002 |
| 8        | PG9     | M12-M08A-BK-PG9-D | 163 008 314 1001 |
|          | M16x1.5 | M12-M08A-BK-M16-D | 163 008 314 1002 |



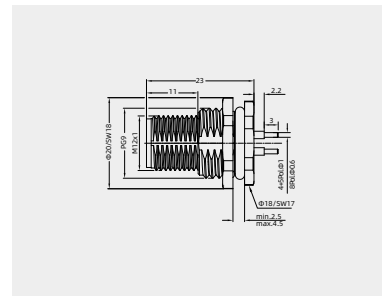
Male panel mount connector, front fastened, dip solder



A-Code



| Contacts | screw   | Designation        | Order No.        |
|----------|---------|--------------------|------------------|
| 4        | PG9     | M12-M04A-BKR-PG9-D | 163 004 314 1011 |
|          | M16x1.5 | M12-M04A-BKR-M16-D | 163 004 614 1001 |
| 5        | PG9     | M12-M05A-BKR-PG9-D | 163 005 314 1011 |
|          | M16x1.5 | M12-M05A-BKR-M16-D | 163 005 614 1001 |
| 8        | PG9     | M12-M08A-BKR-PG9-D | 163 008 314 1011 |
|          | M16x1.5 | M12-M08A-BKR-M16-D | 163 008 614 1001 |



Male panel mount connector, Solder terminal



A-Code



| Contacts | screw   | Designation        | Order No.        |
|----------|---------|--------------------|------------------|
| 12       | PG9     | M12-M12A-BKR-PG9-C | 163 012 313 1502 |
|          | M16x1.5 | M12-M12A-BKR-M16-C | 163 012 313 1503 |

