# METAL CIRCULAR CONNECTORS – A REAL ALL-ROUNDER

### RELIABLE – VERSATILE – COMPACT

ODU MINI-SNAP® is the ideal self-locking circular connector for a wide range of applications. Whether used for transmitting power, signals, data or other media, this circular connector in its robust metal housing convinces with its quality, reliability and handling characteristic.

ODU MINI-SNAP® connectors offer a very high versatility in configuration and termination options, thereby not only giving users great flexibility in design but also reducing installation time and cost. We also offer complete systems consisting of connectors, cables with suitable assembly and optional overmolding. This makes ODU MINI-SNAP® the connector of choice for a multitude of applications in the medical, test and measurement, industrial, military and security markets.

### BENEFITS

- Outstanding functional reliability due to robust metal housing
- Ability to withstand challenging environmental conditions, such as ambient temperatures of −40 °C to +120 °C
- Ease of connections – thanks to Push-Pull quick-locking technology, connections are established and released in < 1 second.
- Minimal space requirements thanks to interfaces with diameters of just 6.4 mm
- Available including cable assembly
- Optional silicone-overmolded system solutions

| • 5,000 mating cycles<br>• Data technology (USB®[1], HDMI®[1], Ethernet)<br>• Solder-, Crimp- or PCB connection possible | IP Class mated | IP Class unmated | Coding | Sizes | Max. number of mechanical codings | Diameter plug (mm) | Max. cable diameter (mm) | Max. number of contacts |
|---|---|---|---|---|---|---|---|---|
| ODU MINI-SNAP® L | IP50 | Up to IP68 | Pin and groove | 00 | 4 | 6.4 | 3.5 | 04 |
| | | | | 0 | | 9.0 | 5.6 | 10 |
| | | | | 1 | | 11.5 | 7.7 | 16 |
| | | | | 2 | 8 | 14.5 | 9.9 | 26 |
| | | | | 3 | | 17.5 | 11.9 | 30 |
| | | | | 4 | | 25.0 | 16.0 | 40 |
| ODU MINI-SNAP® K | IP68 | Up to IP68 | Pin and groove | 0 | | 11.0 | 5.0 | 10 |
| | | | | 1 | | 13.0 | 7.0 | 16 |
| | | | | 2 | 8 | 16.0 | 9.0 | 26 |
| | | | | 3 | | 19.0 | 10.5 | 30 |
| | | | | 4 | | 25.0 | 14.0 | 40 |
| ODU MINI-SNAP® B | IP68 | Up to IP68 | Pin and groove | 0 | 8 | 9.4 | 5.0 | 10 |
| | | | | 1 | 9 | 12.0 | 7.0 | 16 |
| | | | | 2 | 10 | 15.0 | 9.0 | 26 |
| | | | | 3 | 13 | 18.0 | 10.5 | 30 |
| ODU MINI-SNAP® F | Up to IP68 | Up to IP68 | Half shell | 0 | | 9.4 | 5.0 | 09 |
| | | | | 1 | | 12.0 | 7.5 | 14 |
| | | | | 1.5 | 3 | 13.0 | 7.5 | 19 |
| | | | | 2 | | 15.0 | 9.5 | 19 |
| | | | | 3 | | 18.0 | 11.5 | 27 |

[1] These ODU specific connectors can transmit common data transmission protocols such as HDMI® and USB®, but they are not HDMI®- and USB®-standard connectors.