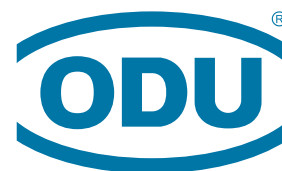


# ODU MINI-SNAP<sup>®</sup>

## FOR SPE AUTOMOTIVE ETHERNET



Single Pair Ethernet (SPE) enables Ethernet connections via copper cables with just a single twisted wire pair, while allowing for the voltage supply of terminal devices via PoDL (Power over Data Line).



1000BASE-T1 (IEEE 802.3bp)

100BASE-T1 (IEEE 802.3bw)

10BASE-T1 (IEEE 802.3cg)

### SPE STANDARDS AND APPLICATIONS

The maximum bridgeable distances of the standards vary between 15, 40 and 1,000 meters.

SPE is currently being introduced in new automotive generations, thereby replacing the current CAN and other bus systems. In the future, communication, controlling and safety functions will be managed consistently via Ethernet.

The field of industrial automation is also keen to benefit from this. Here, SPE enables the barrier-free connection of devices, sensor and actuator technology and a great deal more.

Available for the ODU MINI-SNAP<sup>®</sup> L and K series and the ODU-MAC<sup>®</sup> series.

- Limits with unshielded cables according to OPEN ALLIANCE
- Limits with shielded cables according to IEC 63171-6
- 1 Gbit/s up to 15 m
- Up to IP68
- 5,000 mating cycles
- Push-Pull locking
- Cable assembly: various lengths and over-molded variants.