



ODU-MAC® Blue-Line



ODU-MAC® White-Line



ODU-MAC® Silver-Line



ODU DOCK Silver-Line



ODU-MAC® Power Connector

| | | | | | |
|--------------------------|---|--|--------------------------------------|---|--|
| Mating cycles | > 10,000 | > 100,000 | Up to 10 million | Up to 10 million | > 10,000 |
| Mating principle | Manual mating, automatic docking | Manual mating | Automatic docking | Automatic docking | Manual mating, automatic docking |
| Automatic docking option | 1 frame, 4 sizes | | 7 frame varieties, individual length | | 2 monoblocs |
| Locking | Per spindle / Locking lever / Push-Pull (PUSH-LOCK) | Per spindle / Locking lever / Snap-In (ZERO) | | | |
| Housing | Available in plastic and metal | Available in plastic and metal | | 3 size varieties available in plastic and metal | Metal version |
| Strain relief housing | • | | • | | |
| Non-magnetic version | | • | • | | |
| EMC-protection | On module basis + PUSH-LOCK housing | On module basis | On module basis | In metal design | On module basis |
| Quick-change head option | • | | • | • | |
| Variety of modules | ODU-MAC® Blue-Line | ODU-MAC® White-Line | ODU-MAC® Silver-Line | ODU DOCK Silver-Line | |
| Signal | Up to 33 A / 2,5 mm ² | Up to 27 A / 1,5 mm ² | Up to 27 A / 1,5 mm ² | Up to 27 A / 1,5 mm ² | up to 33 A / 2.5 mm ² |
| Power | Up to 58 A / 6 mm ² | Up to 119 A / 16 mm ² | Up to 119 A / 16 mm ² | Up to 119 A / 16 mm ² | up to 600 A / 2 bridged contacts with 420 mm ² busbar |



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| | | | | | |
|-----------------------------|--|---|---|------------------------------------|--|
| High current | Up to 225 A / 50 mm ² | Up to 225 A / 50 mm ² | Up to 225 A / 50 mm ² | Up to 225 A / 50 mm ² | up to 600 A / 2 bridged contacts with 420 mm ² busbar |
| PE module | Up to 25 mm ² | Up to 25 mm ² | Up to 25 mm ² | | up to 70 mm ² |
| High voltage | Up to 4 kV / 1 mm ² | Up to 6,3 kV / 0,25 mm ² | Up to 6,3 kV / 0,25 mm ² | Up to 2,5 kV / 1,5 mm ² | Up to 4 kV / 1 mm ² |
| HF-Signal [Coax] | Up to 12 GHz | Up to 9 GHz | Up to 9 GHz | Up to 9 GHz | Up to 12 GHz |
| Compressed air | -0,8 up to 12 bar | -0,8 up to 20 bar | -0,8 up to 20 bar | -0,8 up to 20 bar | -0,8 up to 12 bar |
| Fluid | Up to 10 bar | Up to 25 bar | Up to 25 bar | Up to 10 bar | Up to 10 bar |
| Fiber Optic POF / GOF | PC / APC / Expanded Beam | PC / APC / Expanded Beam / Expanded Beam Performance | PC / APC / Expanded Beam / Expanded Beam Performance | On request | PC / APC / Expanded Beam |
| Transfer rates / High-speed | SPE / CAT 6 _A / USB® / HDMI®* / DisplayPort | SPE / CAT 6 _A / USB® / HDMI®* / DisplayPort | SPE / CAT 6 _A / USB® / HDMI®* / DisplayPort | SPE / CAT 6 _A / USB® | SPE / CAT 6 _A / USB® / HDMI®* / DisplayPort |
| Optional pin protection | Integrated with 20-pin signal module | Integrated with 20-pin signal module or freely positioned | Integrated with 20-pin signal module or freely positioned | | Integrated with 20-pin signal module |
| Termination technology | Crimp / Solder / Print through PCB termination modules | Crimp / Solder / Print | Crimp / Solder / Print | Crimp / Solder | Crimp / screw termination |
| Thermocouple | Type K and T / 0,5mm ² | Type K and T / 0,5mm ² | Type K and T / 0,5mm ² | Type K and T / 0,5mm ² | Type K and T / 0,5mm ² |