ODU CONNECTORS – TECHNICAL DATA

	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 mm²	Up to 27 A / 1,5 mm²	Up to 27 A / 1,5 mm²	Up to 27 A / 1,5 mm²	up to 33 A / 2.5 mm²
Power	Up to 58 A / 6 mm²	Up to 119 A / 16 mm²	Up to 119 A / 16 mm²	Up to 119 A / 16 mm²	up to 600 A / 2 bridged contacts with 420 mm² busbar

	ODU-MAC® Blue-Line	**ODU-MAC® White-Line**	**ODU-MAC® Silver-Line**	**ODU DOCK Silver-Line**	**ODU-MAC® Power Connector**
High current	Up to 255 A / 50 mm²	Up to 255 A / 50 mm²	Up to 255 A / 50 mm²	Up to 255 A / 50 mm²	up to 600 A / 2 bridged contacts with 420 mm² busbar
PE module	Up to 25 mm²	Up to 25 mm²	Up to 25 mm²		up to 70 mm²
High voltage	Up to 4 kV / 1 mm²	Up to 6,3 kV / 22-24 AWG	Up to 6,3 kV / 22-24 AWG	Up to 2,5 kV / 1,5 mm²	Up to 4 kV / 1 mm²
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 16 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 / 0,5mm²	Type K and T / 0,5mm²	Type K and T / 0,5mm²	Type K and T / 0,5mm²	Type K and T / 0,5mm²