

# ODU-MAC<sup>®</sup> – MODULAR RECTANGULAR CONNECTORS



A PERFECT ALLIANCE.



## Silver-Line

100,000 mating cycles and more

### Automatic docking.

The robust hybrid interface excels through its failsafe performance and high vibration resistance.

## White-Line

100,000 mating cycles and more

### Manual mating.

Stands out through its longevity, rugged design, contact security and high contact density along with ideal and ergonomic handling.

## Blue-Line

10,000 mating cycles and more

### A new performance class.

The ODU-MAC Blue-Line allows for the easy dismantling of crimp-clip contacts when assembled and stands out through its outstanding high packing density of a maximum of 740 signals in one connector.

	ODU-MAC <sup>®</sup> Silver-Line	ODU-MAC <sup>®</sup> White-Line	ODU-MAC <sup>®</sup> Blue-Line
Mating cycles	> 100,000	> 100,000	> 10,000
Mating principle	Automatic docking	Manual mating	Manual mating, automatic docking
Automatic docking	6 frame varieties, individual length, Quick-change head option		1 frame variety, 4 sizes
Locking		Per spindle / lever locking Snap-In (ZERO)	Per spindle / lever locking
Housing		Available in plastic and metal	Available in plastic and metal
Strain relief housing	+		+
Highest packing density on the market	+	+	++
Non-magnetic version		+	

### VARIETY OF MODULES

Signal	up to 27 A / 1.5 mm <sup>2</sup>	up to 33 A / 2.5 mm <sup>2</sup>
Power	up to 119 A / 16 mm <sup>2</sup>	up to 58 A / 6 mm <sup>2</sup>
High current	up to 220 A / 50 mm <sup>2</sup>	up to 150 A / 25 mm <sup>2</sup>
High voltage	up to 6.3 kV / 1.5 mm <sup>2</sup>	up to 2,5 kV / 6 mm <sup>2</sup>
Coax	up to 9.0 GHz	up to 4.0 GHz
Compressed air	up to 20 bar	up to 12 bar
Fluid	up to 10 bar	
Fiber optic POF / GOF	+	+ (GOF only on request)
Transfer rates / high-speed	CAT 6 <sub>A</sub> <sup>1</sup> / USB <sup>®1</sup> / HDMI <sup>®1</sup>	CAT 6 <sub>A</sub> <sup>1</sup> / USB <sup>®1</sup>
PCB termination module		+ (incl. quick-change system)
Optional pin protection	Module can be freely positioned	Integrated with 20-pin signal module
Termination technology	crimp / solder / print	Crimp / solder / print through PCB termination modules

<sup>1</sup>These ODU specific connectors can transmit common data transmission protocols such as HDMI<sup>®</sup>, USB<sup>®</sup> and CAT 6<sub>A</sub><sup>®</sup>, but they are not HDMI<sup>®</sup>, USB<sup>®</sup>, and CAT-standard connectors.