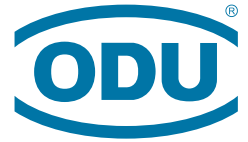


# ODU-MAC<sup>®</sup> – MODULAR RECTANGULAR CONNECTORS



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.

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 DOCK Silver-Line	ODU-MAC <sup>®</sup> Silver-Line	ODU-MAC <sup>®</sup> White-Line	ODU-MAC <sup>®</sup> Blue-Line
Mating cycles	> 100,000	> 100,000	> 100,000	> 10,000
Mating principle	Automatic docking	Automatic docking	Manual mating	Manual mating, automatic docking
Automatic docking option		7 frame varieties, individual length		1 frame variety, 4 sizes
Locking			Per spindle / Locking lever / Snap-In (ZERO)	Per spindle / Locking lever / Push-Pull (PUSH-LOCK)
Housing	3 housing varieties available in plastic and metal		Available in plastic and metal	Available in plastic and metal
Strain relief housing		•		•
Highest packing density on the market	•	•	•	••
Non-magnetic version			•	
EMV-protection	In metal housing	On module basis	On module basis	On module basis
Quick-change head option	•	•	•	

### VARIETY OF MODULES

	ODU DOCK Silver-Line	ODU-MAC <sup>®</sup> Silver-Line	ODU-MAC <sup>®</sup> White-Line	ODU-MAC <sup>®</sup> Blue-Line
Signal	Up to 27 A / 1,5 mm <sup>2</sup>	Up to 27 A / 1,5 mm <sup>2</sup>	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 119 A / 16 mm <sup>2</sup>	Up to 119 A / 16 mm <sup>2</sup>	Up to 58 A / 6 mm <sup>2</sup>
High current	Up to 225 A / 50 mm <sup>2</sup>	Up to 225 A / 50 mm <sup>2</sup>	Up to 225 A / 50 mm <sup>2</sup>	Up to 225 A / 50 mm <sup>2</sup>
PE module			Up to 25 mm <sup>2</sup>	
High voltage	Up to 2,5 kV / 1,5 mm <sup>2</sup>	Up to 6,3 kV / 1,5 mm <sup>2</sup>	Up to 6,3 kV / 1,5 mm <sup>2</sup>	Up to 2,5 kV / 6 mm <sup>2</sup>
HF-Signal (Coax)	Up to 9 GHz	Up to 9 GHz	Up to 9 GHz	Up to 12 GHz
Compressed air	Up to 20 bar	Up to 20 bar	Up to 20 bar	Up to 20 bar
Fluid	Up to 10 bar	Up to 10 bar	Up to 25 bar	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> / HDMI <sup>1</sup>	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	Module can be freely positioned	Integrated with 20-pin signal module
Termination technology	Crimp / Solder	Crimp / Solder / Print	Crimp / Solder / Print	Crimp / Solder / Print through PCB termination modules

The flexible route to custom connectors: the ODU-MAC<sup>®</sup> configurator at [www.odu-mac.com](http://www.odu-mac.com)

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



A PERFECT ALLIANCE.

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ODUCM101E



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China	ODU (Shanghai) Connectors Manufacturing Co.Ltd
Mexico	ODU Mexico Manufacturing S.R.L. de C.V.
Romania	ODU Romania Manufacturing S.R.L.
USA	ODU North American Logistics



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