

ODU AMC[®] HIGH-DENSITY WITH ADDITIONAL SCREW-LOCK

The new flexible 2-in-1 solution, of the **ODU AMC[®] High-Density** series offers on the one hand the possibility of fast locking and unlocking of the connection and on the other hand additional protection through screw locking in case of high resistance to vibration whenever this is necessary.



ODU AMC[®] High-Density
BREAK-AWAY

ODU AMC[®] High-Density
SCREW-LOCK



ODU AMC[®] HIGH-DENSITY SCREW-LOCK

In future, two locking types will be combined in a single component: screw-locking and break-away. Both the plug and the receptacle are downward compatible.

With a diameter of less than 10 mm to 13.2 mm and a contact density of up to 16 contacts, the ODU AMC[®] High-Density series proves that premium quality can also come in small packages.

In addition to the High-Density signal connector, the range also includes versions for „Power“ (up to 15 A) and „Data Transfer“ (USB[®] 3.1 Gen1¹, USB[®] 2.0¹ and Ethernet[®] CAT 5¹/ CAT 6_A¹) in the most compact space.

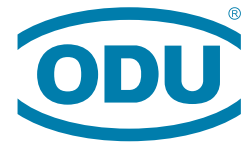
KEY FEATURES AND CUSTOMER BENEFITS

- + 2-in-1 solution
 - Screw-locking principle for a maximum resistance to vibration
 - Break-Away function for quick and easy unlocking
- + High-speed data transfer capability: USB[®] 3.1 Gen1¹ and USB[®] 2.0¹
- + High contact density: 2 – 16 poles / 2 sizes
- + Extremely rugged housing with non-reflecting surface
- + Watertight protection class IP68

¹ These ODU specific connectors can transmit common data transmission protocols such as USB[®] 2.0, USB[®] 3.1 Gen1, CAT 5, CAT 6_A and Ethernet[®], but they are not USB[®]-, CAT- and Ethernet[®]-standard connectors.

ODU AMC[®] HIGH-DENSITY

TECHNICAL DETAILS



Size	Number of contacts	Max. current (Ampere) Single contact load	DWV Voltage ² [VDC]	Max. wire size soldercup	Suitable for
00	2	3	1.200	AWG 24	-
	4	1	900	AWG 28	-
	7	1	750	AWG 24	USB [®] 2.0 ¹
	U4	1 3		AWG 28	
0	8	1	750	AWG 24	Ethernet [®] type CAT 6 ⁴
	9	1		AWG 22 + 28	USB [®] 2.0 ¹ + Power
	12	5		AWG 22 + 28	USB [®] 3.1 Gen1 ¹ + Power
	16	1		AWG 28	-

All dimensions are in mm. Some figures are for illustrative purposes only. Subject to change without notice. Errors and omissions excepted. We reserve the right to change our products and their technical specifications at any time in the interest of technical improvement. This publication supersedes all prior publications. This publication is also available as a PDF file that can be downloaded from www.odu-connectors.com

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² SAE AS 13441:2004 method 3001.1

CABLE ASSEMBLIES

In addition to high quality connectors, ODU also offers a comprehensive service for complete systems.

From connectors, cables and cable overmolding to watertight potting – we supply your complete system solution.



TERMINATION PC-BOARD

ODU AMC[®] High-Density device components can be supplied for direct attachment to the board or as rigid-flex-solution. The solder process is tested and suitable for all available inserts.

