GC1WCM-P17UM00-000L

ODU AMC® HD

Receptacle with screw-lock for rear panel mounting

Size: 1, IP68 / IP6K9K, Keying: C, Number of contacts: 17, PCB, Contact type: Sockets, HDMI® 1.4 (10.2 Gbit/s)



Basic information

Part number	GC1WCM-P17UM00-000L
Category	Connector
Type of connector	Receptacle
Assembly situation	Rear panel mounting
Size	1

Contact insert description

Special features	Data transmission
Transmission type	HDMI® 1.4 (10.2 Gbit/s)
Number of contacts	17
Contact type	Sockets
Contact diameter	0.7 mm
Termination type	PCB
Termination diameter	0.3 mm

Reverse gender on request

Technical information

Nominal current single contact	1 A	IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003)
Test voltage	750 V	EIA-364-20F:2019-02

All shown connectors are rated to a safety extra low voltage (SELV) of less than 50 V AC / 75 V DC, according to IEC 61140:2016 (VDE 0140-1:2016) Protection against electric shock - Common aspects for installation and equipment. In case other standards rule a specific use of the connector, the application specific safety criteria shall be considered first. In this context, lower voltage ratings may be valid. Warning: Danger to life for operating voltages above 50 V AC / 120 V DC!

Mechanical and environmental data

Locking principle	Screw-Lock
Keying	C
Mating cycles	5000
IP class	IP68 / IP6K9K
Max. operating temperature	125 °C
Min. operating temperature	-51 °C
Tightening torque	1 Nm
Weight	6.03 g

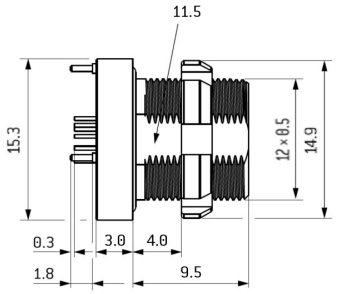
*IP protection class refers to mated condition

Material and surface treatments

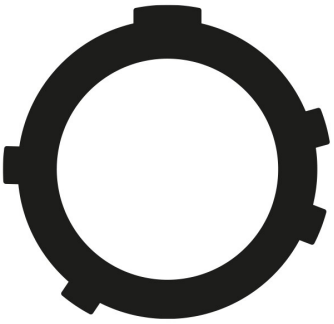
Material	Cu-alloy with matt chrome finish
Insulator material	PEEK
Contact material	Cu-alloy with gold finish

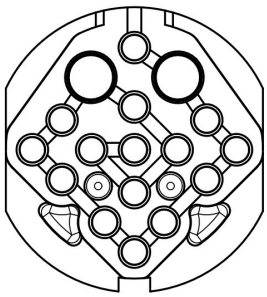
ODU reserves the right to make changes based on the current state of knowledge without prior notice without being obliged to provide replacement deliveries or refinements of older designs.
All shown connectors are defined without breaking capacity (COC) according to IEC 61984:2008 (VDE 0627:2009).

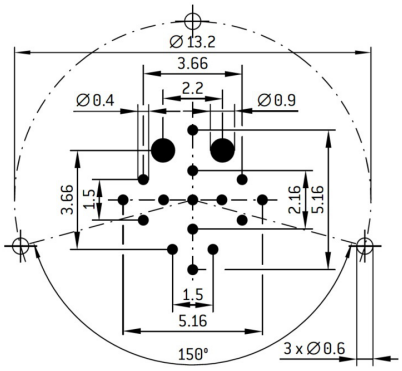
Graphics and technical drawings



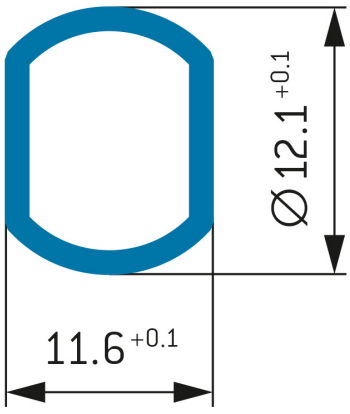
CODING:C







PANEL CUT OUT:



PCB Layout with socket contacts: Top view (from component side). Unless otherwise numbered, numbering starts at the contact marked by the bracket and follows the spiral clockwise.

Further technical information and downloads

Connection diagram

Pos. ODU®	Pos. HDMI®	Signal
4	9	D0–
2	8, 11	Drain wire
14	7	D0+
10	4	D1+
12	2, 5	Drain wire
16	6	D1–
11	1	D2+
12	2, 5	Drain wire
9	3	D2–
3	12	C–
2	8, 11	Drain wire
5	10	C+
6	14	HEC D–
15	17	Drain wire
8	19	HEC D+
7	13	CEC
1	15	SCL
13	16	SDA
17	18	+5V Power
Housing	Shield	

3D-File [STP File]

Technical specifications