ODU AMC® Series T

Square flange receptacle with break-away, push-pull and screw-lock for front and rear panel mounting

Size: 9 (STD 38999), IP6K8 / IP6K9K, Keying: A, Number of contacts: 8, Solder cup, Contact type: Sockets, Ethernet/IP® (10 Gbit/s)

ODU

Basic information

Part number	G4TAAT0-ED08WN-LS00
Category	Connector
Type of connector	Receptacle
Assembly situation	Flange mounting
Size	9 (STD 38999)

Contact insert description

Special features	Data transmission
Transmission type	Ethernet/IP® (10 Gbit/s)
Number of contacts	8
Contact type	Sockets
Contact diameter	0.76 mm
Termination type	Solder cup
Wire cross section AWG	AWG 22 – 26

Technical information

Max. current single contact	5 A	IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003)
Test voltage	0.75 kV AC	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	Break-Away , Push-Pull , Screw-Lock
Keying	A
Mating cycles	500
IP class	IP6K8 / IP6K9K
Max. operating temperature	175 °C
Min. operating temperature	-65 °C
Tightening torque	6 Nm
Weight	8.8 g

*IP protection class refers to mated condition

Material and surface treatments

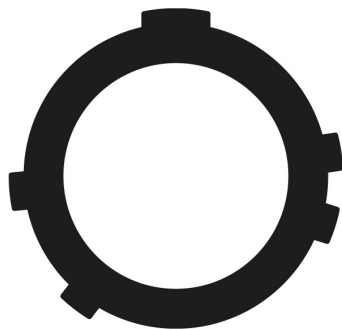| Material	Aluminum with tin-nickel finish
Insulator material	PEEK
Contact material	Gold

Unless explicitly confirmed otherwise the contact arrangement of an ODU data transmission connector differs from a standard data transmission connector due to the robust ODU specific design. However, the ODU design meets the electrical specifications of the respective standard data transmission protocol.
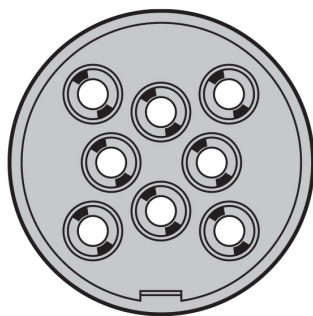ODU MEDI-SNAP® and MINI-SNAP® are UL-approved (E110586).
ODU reserves the right to make changes based on the current state of knowledge without prior notice without being obliged to provide replacement deliveries or refinements of older designs.
All shown connectors are defined without breaking capacity (COC) according to IEC 61984:2008 (VDE 0627:2009).
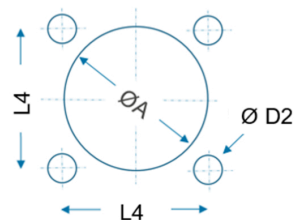
Graphics and technical drawings

CODING:A

POSITIONS: 8 positions

Panel-Cut-out

Shell Size	Type	L4	Ø D2 [mm]	Ø A [mm]
9	Front panel	15.1	3.25	13.1
	Back panel			15.5
12	Front panel	20.6	3.25	19.1
	Back panel			21.2

Further technical information and downloads

	Pos. ODU®	Color	Pos. RJ45®	
Connection diagram	1	green-white	3	
	2	green	6	
	3	brown-white	7	
	4	brown	8	
	5	blue-white	5	
	6	blue	4	
	7	orange-white	1	
	8	orange	2	
	housing	shield	housing	

3D-File (STP File)