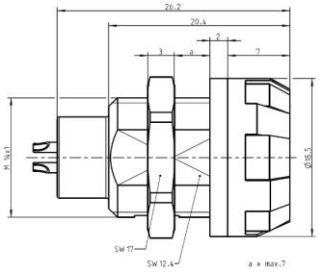
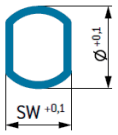
TECHNICAL DATA

ODU MEDI-SNAP®

PART NUMBER	GA1M..-P……-0000
Type of connector	Receptacle for front panel installation
Orientation	Straight
Number of contacts	2-14 (Solder and print termination)
Mechanical coding	0° / 40° / 60° / 80° / 170° / 205°

DIMENSIONS





SW: 12,5 mm
Ø : 14 mm

TECHNICAL INFORMATION

ENVIRONMENTAL

Degree of protection	IP64 / IP67 in mated condition[1] IP68 in unmated condition	
Operating temperature range	-50°C to +120°C	
Mating cycles	5000	
Durability	Sterilizable and Autoclavable	

MATERIAL DESIGNATION

Housing material	PSU	
Color of housing	Grey / Black	
Contact material	Brass	
Plating material	Au	

IEC 60601-1[2,3]

Means of protection	2 MOPP, in mated condition	Acc. to IEC 60601-1:2005+A1:2012
	2 MOOP, in mated condition	Acc. to IEC 60601-1:2005+A1:2012

Suitable for use in medical devices with max. 250V AC supply voltage (grid side). This voltage specification is not equivalent to the operating or nominal voltage of the connector. For nominal voltage / working voltage of used inserts see table on page 2.
Related test voltage from insert to touchable parts: Max. 4kV AC

Suitable inserts see table on page 2.

In addition to this information please observe the valid standards for your application!

[1] IP64: With proper ODU MEDI-SNAP Push-Pull Plug style 4 / IP67: With proper ODU MEDI-SNAP overmolded Break-Away Plug style 5
[2] Pollution degree 2 / In mated condition with ODU MEDI-SNAP Plugs
[3] MOOP: Means of operator protection / MOPP: Means of patient protection

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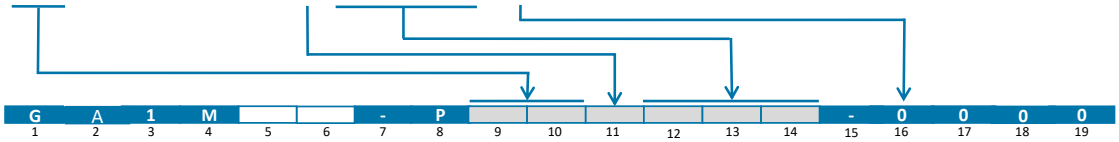
ODU MEDI-SNAP®

PART NUMBER GA1M..-P……-0000

Number of contacts	Contact type: Termination	Contact type: Socket	Part number key			Contact style	Contact diameter in mm	Single contact nominal current in A [1]	Nominal current insert in A	Clearance and creepage distance contact to contact in mm	Test voltage in kVeff [2]	Nominal voltage in kVrms [5]	Working voltage acc. to IEC 60664-1 in Veff [6] [7]	Termination diameter in mm	Termination cross-section: AWG	Termination cross-section: mm²
0	2	Solder	L	P	N	0	0	1,3	15	15	1	1,6	0,5	38	1,4	18	1
				P	H	0			12	12	1,3	1,9	0,6	80	1,1	20	0,5
		Print straight[3]	Q	P	0	0									0,7	/	/
0	3[5]	Solder	L	P	N	9	0	1,3	15	15	0,9	1,6	0,5	37	1,4	18	1
				P	H	9			12	12	1,2	1,9	0,6	50	1,1	20	0,5
		Print straight[3]	Q	P	0	9									0,7	/	/
0	4	Solder	L	J	H	0	0	0,9	10	10	0,9	1,6	0,5	37	1,1	20	0,5
				J	G	0			7,5	7,5	1,2	1,9	0,6	50	0,85	22	0,38
		Print straight[3]	Q	J	0	0			7,5	7,5	1,2	1,9	0,6	50	0,7	/	/
0	5	Solder	L	J	H	0	0	0,9	10	7,5	0,5	1,35	0,4	25	1,1	20	0,5
				J	G	0			7,5	5,6	0,8	1,6	0,5	36	0,85	22	0,38
		Print straight[3]	Q	J	0	0			7,5	5,6	0,8	1,6	0,5	36	0,7	/	/
0	6	Solder	L	F	G	0	0	0,7	7,5	5,6	0,65	1,35	0,4	32	0,85	22	0,38
				F	D	0			6	4,5	0,85	1,6	0,5	36	0,65	26	0,15
		Print straight[3]	Q	F	0	0			6	4,5	0,85	1,6	0,5	36	0,5	/	/
0	7	Solder	L	F	G	0	0	0,7	7,5	4,9	0,65	1,35	0,4	32	0,85	22	0,38
				F	D	0			6	3,9	0,85	1,6	0,5	36	0,65	26	0,15
		Print straight[3]	Q	F	0	0			6	3,9	0,85	1,6	0,5	36	0,5	/	/
0	8	Solder	L	F	G	0	0	0,7	7,5	4,9	0,4	1,2	0,4	10	0,85	22	0,38
				F	D	0			6	3,9	0,6	1,6	0,5	32	0,65	26	0,15
		Print straight[3]	Q	F	0	0			6	3,9	0,6	1,6	0,5	32	0,5	/	/
0	9	Solder	L	C	D	0	0	0,5	6	3,9	0,45	1,2	0,4	10	0,65	26	0,15
				C	C	0			4	2,6	0,65	1,35		32	0,45	28	0,08
		Print straight[3]	Q	C	0	0									0,5	/	/
1	0	Solder	L	C	D	0	0	0,5	6	3,3	0,3	0,75	0,25	7,5	0,65	26	0,15
				C	C	0			4	2,2	0,5	1,35	0,4	25	0,45	28	0,08
		Print straight[3]	Q	C	0	0									0,5	/	/
1	2[5]	Solder	L	C	D	9	0	0,5	6	3,3	0,4	1,2	0,4	10	0,65	26	0,15
				C	C	9			4	2,2	0,5			25	0,45	28	0,08
		Print straight[3]	Q	C	0	9									0,5	/	/
1	4	Solder	L	C	D	0	0	0,5	6	3	0,3	0,75	0,25	7,5	0,65	26	0,15
				C	C	0			4	2	0,5	1,2	0,4	25	0,45	28	0,08
		Print straight[3]	Q	C	0	0									0,5	/	/



[1] Derating factor, see MEDI-SNAP catalogue
[2] SAE AS 13441: 2004 method 3001.1 (kVeff)
[3] PCB layouts, see MEDI-SNAP calalogue
[4] Max. operating voltage at NN (sea level) acc. to SAE AS 13441:2004 method 3001.1.
[5] Not compatible to competition
[6] IEC 60664-1 (VDE 0110-1):2008-01. Pollution degree 2
[7] IEC 60664-1 (VDE 0110-1):2008-01: Overvoltage category 3 / test voltage: 0.94kV eff

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