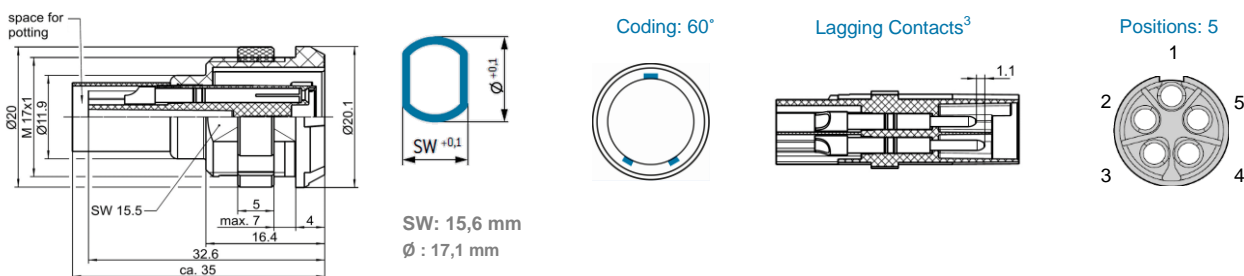


TECHNICAL DATA

ODU MEDI-SNAP®

PART NUMBER	G12MC7-T05MPQL-0001
Type of connector	Receptacle for front panel installation
Orientation	Straight
Number of contacts	5 (2x HV / 2x signal, lagging / 1x GND, FMLB) ¹
Contact type	1x sockets / 4x pins
Termination of contact	Solder contacts
Mechanical coding	60°

DIMENSIONS



TECHNICAL INFORMATION

ENVIRONMENTAL

Degree of protection	IP50 in mated condition ²
Operating temperature range	-50°C to +120°C
Mating cycles	5000
Durability	Sterilizable

MATERIAL DESIGNATION

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

CHOOSE MATING PLUG

S12MC7-T05LPQL-___0

These ODU connectors are in relation to DIN EN 61984:2009 connectors without switching capacity (COC)

¹ HV: High Voltage / FMLB: First mate last break

² IP50: With proper ODU MEDI-SNAP Push-Pull Plug S12MC7-T05LPQ9-___0

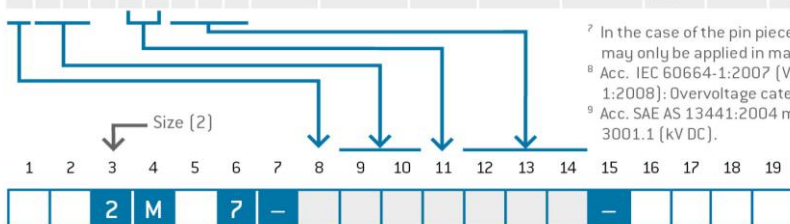
³ Pin 2 and 5 (signal) are 1,1mm lagging to pin 3 and 4 (HV) / pin 1 (GND) is 1,6mm leading to pin 3 and 4 (HV)

TECHNICAL DATA

ODU MEDI-SNAP®

PART NUMBER G12MC7-T05MPQL-0001

Insulator material ¹⁴	Number of contacts	Contact type		Part number key	Contact diameter mm	Single contact nominal current A	Nominal current insert A	Clearance and creepage distance contact to contact		Contact-to-contact voltage				Termination diameter		Termination cross-section		View on termination area	
		Termination	Socket					Pin	mated mm	unmated mm	Nominal voltage V AC ^{7,8}	Nominal voltage V DC ⁹	Test voltage mated KV	Test voltage unmated KV	mm	AWG	mm ²	Pin piece	Socket piece
T	0	5	Solder	L	1 × 1.3 (first mate last break) 2 × 1.3 (lagging) 2 × 1.3	16	12	9.9	3.2	600 ^{12,13}	tbd	7,4 ^{8,12,13}	5 ^{8,12,13}	1.9	14	1.5			
				M				13.6	3.2	1,000 ^{12,13}	tbd	9,9 ^{8,12,13}	5 ^{8,12,13}						



⁷ In the case of the pin piece, voltage may only be applied in mated condition.
⁸ Acc. IEC 60664-1:2007 (VDE 0110-1:2008): Overvoltage category III.
⁹ Acc. SAE AS 13441:2004 method 3001.1 (kV DC).
¹⁰ The socket is installed in the plug; the pin is installed in the receptacle.
¹¹ IEC 60664-1:2007 (VDE 0110-1:2008): pollution degree 2.
¹² Voltage may only be applied to fully assembled and potted connectors in mated condition.
¹³ Acc. IEC 60664-1:2007 (VDE 0110-1:2008): pollution degree 3.
¹⁴ P: PEEK / T: PBT