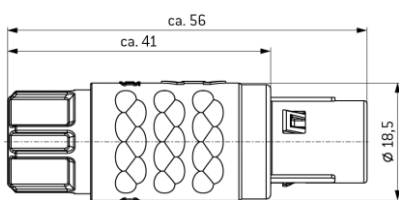


TECHNICAL DATA

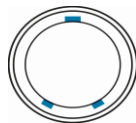
ODU MEDI-SNAP[®]

PART NUMBER	S12MC7-T05MPQL-___0
Type of connector	Push-Pull Plug
Orientation	Straight
Number of contacts	5 (2 x HV / 2 x signal, lagging / 1 x GND, FMLB) ¹
Contact type	4x pins / 1x socket
Termination of contact	Solder contacts
Contact diameter	1,3 mm
Wire cross section [AWG]	14
Mechanical coding	60°
Cable-Ø [mm]	3,2-5,4 / 5,4-7,4 / 7,4-9,2

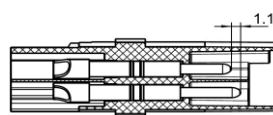
DIMENSIONS



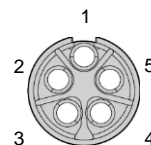
Coding: 60°



Lagging Contacts³



Positions: 5



TECHNICAL INFORMATION

ENVIRONMENTAL

Degree of protection	IP50 in mated condition ²
Operating temperature range	-50°C to +120°C
Mating cycles	2000
Durability	Sterilizable

MATERIAL DESIGNATION

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

CHOOSE MATING RECEPTACLE

G12MC7-T05LPQ9-0001

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 receptacle G12MC7-T05LPQ9-0001

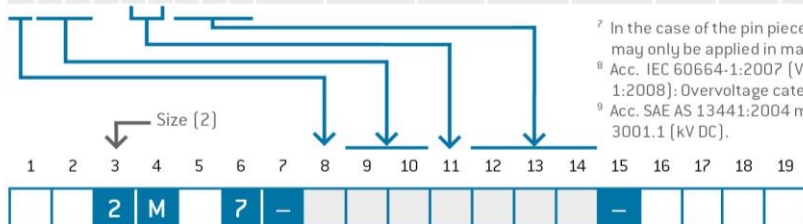
³ Pin 2 and 5 (signal) are 1,1mm lagging to pin 3 and 4 (HV) / pin 1 (GND) is 1,6mm leading to pin 3 and 4 (HV)

TECHNICAL DATA

ODU MEDI-SNAP®

PART NUMBER S12MC7-T05MPQL-__0

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 mm	Termination cross-section		View on termination area					
		Termination	Socket	Pin					mated mm	unmated mm	Nominal voltage V AC ^{7,8}	Nominal voltage kV DC ⁹	Test voltage mated kV	Test voltage unmated kV		mm	AWG	mm ²	Pin piece	Socket piece			
T	0	S	L	P	Q	9	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	P	Q	L
																				1 × 1.3 (first mate last break)	2 × 1.3 (lagging)	2 × 1.3	13.6



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.

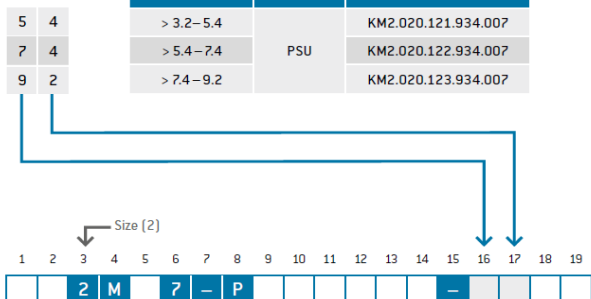
¹² Voltage may only be applied to fully assembled and potted connectors in mated condition.

¹³ Acc. IEC 60664-1:2007 (VDE 0110-1:2008): pollution degree 3.

¹⁴ P: PEEK / T: PBT



Cable diameter mm	Material	Part number
5 4	PSU	KM2.020.121.934.007
7 4		KM2.020.122.934.007
9 2		KM2.020.123.934.007



Color	Design	Similar RAL systems		Material
		Design	Classic	
2	Red	030 40 40	3002	Plastic (PSU)
3	White	000 90 00	9003	
4	Yellow	095 80 70	1016	
5	Green	170 60 50	6032	
6	Blue	250 40 40	5019	
7	Gray	000 55 00	7045	Plastic (PSU/PEI)
8	Black	000 25 00	9004	

