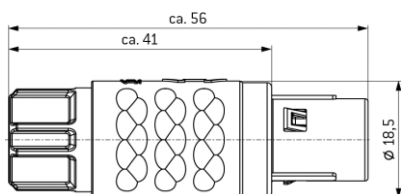


TECHNICAL DATA

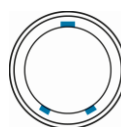
ODU MEDI-SNAP[®]

PART NUMBER	S12MC7-T05LPQ9-___0
Type of connector	Push-Pull Plug
Orientation	Straight
Number of contacts	5 (2 x HV / 2 x signal / 1 x GND) ¹
Contact type	4x sockets / 1x pin
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

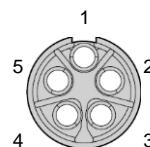
DIMENSIONS



Coding: 60°



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-T05MPQL-0001

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

¹ HV: High Voltage

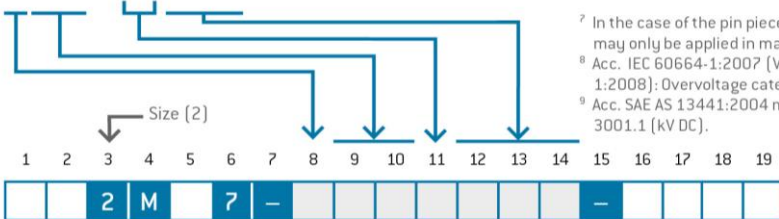
² IP50: With proper ODU MEDI-SNAP receptacle G12MC7-T05MPGL-0001

TECHNICAL DATA

ODU MEDI-SNAP®

PART NUMBER S12MC7-T05LPQ9-__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 V DC ⁹	Test voltage mated KV	Test voltage unmated KV		AWG	mm ²	Pin piece	Socket piece		
T	0	5	Solder	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		
										13.6	3.2	1,000 ^{12,13}	tbd	tbd ⁹	tbd ⁹					
														9.9 ^{8,12,13}	5 ^{8,12,13}					

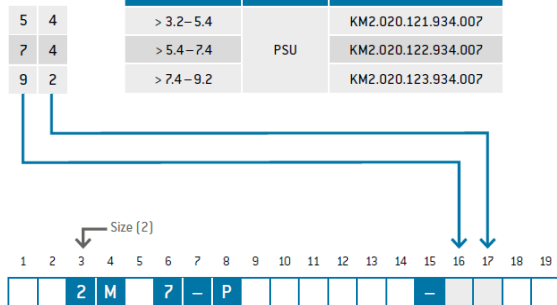


⁷ In the case of the pin piece, voltage may only be applied in mated condition.
⁸ Acc. IEC 60664-1:2007 (VDE 0110-1:2008); Overvoltage category III.
⁹ Acc. SAE AS 13441:2004 method 3001.1 (kV DC).

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



Cable diameter	Material	Part number
mm		
> 3.2–5.4	PSU	KM2.020.121.934.007
> 5.4–7.4		KM2.020.122.934.007
> 7.4–9.2		KM2.020.123.934.007



Color	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	
8	Black	000 25 00	9004	

