

K70S-000-P0 | M16

General Characteristics	Standard	Characteristics
Number of contacts		7
View on termination side of contact insert		
Electrical Characteristics		
Rated voltage	EC 60664-1	300 V -
Rated voltage	UL 1977	250 V
Rated impulse withstand voltage	EC 60664-1	1500 V
Pollution degree	EC 60664-1	1
Installation category	EC 60664-1	I
Insulation group	EC 60664-1	II, 400 < CTI < 600
Current rating	EC 60512-5-2	5 A / + 40 °C / + 104 °F
Insulation resistance	EC 60512-3-1	>10 ¹⁰ Ω
Contact resistance	EC 60512-2-1	< 5 m Ω
Climatic Characteristics		
Climatic category	EC 60668-1	40 / 100 / 56
Temperature range	EC 60668-1	- 40 °C ... + 100 °C / - 40 °F ... + 212 °F
Mechanical Characteristics		
IP-degree	EC 60529	IP 67 / IP 65
Insertion and withdrawal forces	EC 60512-13-2	50 N 180.OZ
Mechanical operation	EC 60512	500 mating cycles
Materials		
Housing material		die cast, nickel plated
Dielectric material		thermoplastic
Sealing material		neoprene
Contact plating		silver plated
Further Characteristics		
Termination technique		solder, crimp
Wire gauge		solder: < 0,5 mm ² / 20 AWG crimp: 2 - 6 pol (excluding 5S): 0,09 - 1,00 mm ² / 28 - 18 AWG crimp: 5S, 7, 7S and 8-pol.: 0,09 - 0,75 mm ² / 28 - 20 AWG
Flammability		UL 94 V0
Locking system	EC 60130-9	metal screw coupling; tightening torque 0,5 - 0,7 Nm
UL	UL 1977	Conditions of acceptability

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Description	Drawing	
Female cable connector, right angled, for cable diameter 4-6 mm, termination: solder or crimp. Dimension A = 55,5 mm		
Female cable connector, right angled, for cable diameter 6-8 mm, termination: solder or crimp. Dimension A = 57,5 mm		

Assembly instructions

Can be keyed to 8 angle positions

tightening torque
0,4 Nm

fold back
shielding

shielded

unshielded

tightening torque
1-2 Nm
(in consideration
of the cable used)

coding options

shielding application
for large cable diameter