

Power Connectors Size 1,5 (M40)

Mechanical Data	Materials and Technical Data
Housing	Copper-Zinc alloy Die Cast
Housing surface	Nickel plated, other surface upon request
Inserts (for contacts)	Thermoplastic Polyamid PA 6 (Nylon 6/6), PBT Fire protection class V-0
Contacts	Brass Alloy
Contact surface at point of contact	Nickel and gold plated (0,25 µm Au)
Minimum mating cycles	> 500
Seals / O-Rings	Buna-N standard optional Viton® (Viton is a registered trademark of DuPont)
Temperature range	-40° C – 125° C (-40 °F – 257 °F)
Type of contacts	Crimp
Protection	IP 67 / IP 69K per EN 60 529 (connected), NEMA 4x
Cable diameter range	13 – 28 mm (.51" – 1.10")

Electrical Data				
Number of positions	3 + 2 + PE		4 + 3 + PE	
Number of contacts	2	4	4	4
Contact-Ø [mm]	2	3,6	2	3,6
Nominal current ¹⁾ [A]	28	55	28	55
Nominal voltage ²⁾ [V~] Degree of Protection 3 ³⁾	300	600	300	600
Test voltage (Breakdown voltage) ⁴⁾ [V~]	2500	4000	2500	4000
Insulation resistance [mΩ]	> 10 ¹³		> 10 ¹³	
Max. contact resistance [mΩ]	3	1	3	1

^{1), 2), 3), 4)} See Technical Informations page 14

