

### 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)
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

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



Standard delivery of M 40 (size 1,5) Power Connector include Contact Insert.

<sup>1), 2), 3), 4)</sup> See Technical Information page 16