Technical Data

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	> 1000 *)
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, dip-solder (PCB) (for printed circuit boards)
Protection	IP 67 / IP 69K per EN 60 529 (connected), NEMA 4x
Cable diameter range	2 – 11 mm (.08 – .43")

*) HUMMEL to HUMMEL connector

Electrical Data

Number of positions	3 (3 x 1 mm)	3 (3 x 2 mm)	4 + 3 + PE / 320 V		4 + 3 + PE / 630 V	
Number of contacts	3	3	4	4	4	4
Contact-Ø [mm]	1	2	0,8	1,6	0,8	1,25
AWG [mm²]	0,14 – 1	0,5 – 2,5	0,08 – 0,34	0,34 – 1,5	0,08 – 0,34	0,5 – 1,5
Nominal current 1) [A]	8	20	5	16	5	16
Nominal voltage 2) [V~] degree of protection 3 4)	400	400	160	320	300	630
Test voltage (Breakdown voltage) 3) [V~]	2500	2500	1500	2500	1500	2500
Insulation resistance [MΩ]	$>10^{10}$	$>10^{10}$	$>10^{10}$		$>10^{10}$	
Max. contact resistance [MΩ]	3	3	3		3	3

Number of positions	6+PE	10	12 + 3		18
Number of contacts	7	10	12	3	18
Contact-Ø [mm]	1,25	1	0,8	1,25	0,8
AWG [mm²]	0,5 – 1,5	0,14 – 0,75	0,08 – 0,34	0,5 – 1,5	0,08 – 0,34
Nominal current 1) [A]	16	8	3	10	3
Nominal voltage 2) [V~] degree of protection 3 4)	630	160	24	60	24
Test voltage (Breakdown voltage) 3) [V~]	2500	1500	1500	2500	1500
Insulation resistance [MΩ]	$>10^{10}$	$>10^{6}$	$>10^{10}$		$>10^{10}$
Max. contact resistance [MΩ]	3	3	3	3	3

1), 2), 3), 4) See Technical Information page 16