

Standard Data

Materials and finishes

Plug and receptacle	Perbunan or Nitril-Butadien rubber
Contacts, stamped	Copper alloy, tin plate
Contacts, machined	Copper alloy, hard silver plate

Mechanical Data

Crimp contacts	Semi-automatic or hand crimpable
Contact positions	1 thru 10 inclusive
Polarization	Stepped plane positive polarization and visual polarization
Contact retention	35 N minimum
Contact insertion	From rear with simple hand tool, or simultaneous insertion of multiple crimped contacts with semi-automatic insertion machine

Max. operating temperature acc. to DIN IEC 68, part 1 -40/105° C

Test Criteria

Sealing capability	IP 67 acc. to DIN 40050
Weather, ozone and ultra violet resistance	In accordance with ASTM D-1149 (100 pphm) and ASTM D-1171 (outdoor exposure)
Industrial gas	Equivalent to MIL-C-23216, para 4.6.13
Durability	50 cycles mating and unmating
Salt spray	In accordance with MIL-STD-202D, Method 101 D and DIN 400046, part 11
Humidity	95% at 95° C/1000 hours
Dry heat	105° C for 1000 hours
Vibration	10 to 55 Hz, .06" DA, 1 hour, X and Y planes
Shock	50 g, 11ms, 30 cycles, X and Y planes

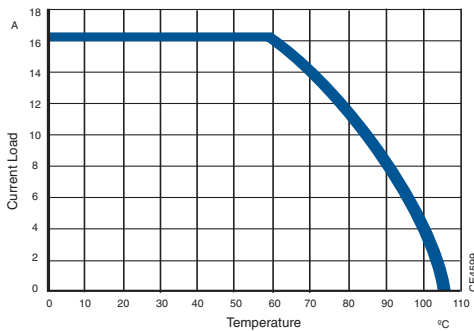
Electrical Data SURE-SEAL

Contact resistance	10 Milliohms max.
Insulation resistance	100 Mohms min.
Dielectric withstanding voltage	1200 VAC at sea level
Wire range	0,75–1,5 mm ² (AWG 18—14) 0,50–1,0 mm ² (AWG 20—16)
Wire insulation Sealing range	2,4–3,3 resp. 1,8–2,8 mmØ
Insulation stripping length	3,9–4,7 mm

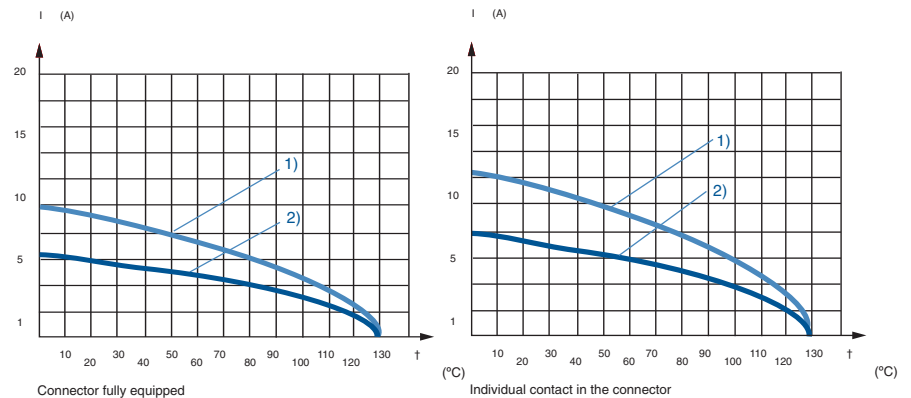
Electrical Data Mini SURE-SEAL

Contact resistance	10 Milliohms max.
Insulation resistance	100 Mohms min.
Dielectric withstanding voltage	1200 VAC at sea level
Wire range	0,4–0,75 mm ² (AWG 20—18)
Wire insulation sealing range	1,4–1,8 mmØ
Insulation stripping length	3,0–3,3 mm

Current rating - SURE-SEAL



Current rating - Mini SURE-SEAL

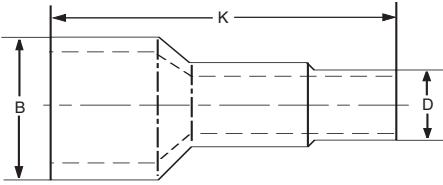


1) APK -- 10_07-0,75qmm*
2) APK -- 10_07-0,35qmm*

Accessories

Boot

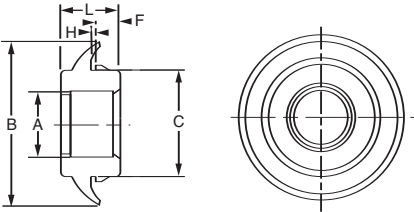
Seals wired cable jackets to connector housing. It also provides abrasion resistance.



For connector size	Order ref.	B Ø max.	D Ø max.	outer cable Ø	K max.
2 contacts	317-1398-000	16,51	9,65	5,28 – 5,79	52,07
3/4 contacts	317-1397-000	15,49	9,65	5,59 – 6,10	52,07
3/4 contacts	317-1399-000	19,05	12,70	8,76 – 9,65	52,07
5/7 contacts	317-8657-000	27,0	12,50	7,20 – 8,40	62,00
8/9/10 cont.	317-8657-002	31,2	16,2	10 – 12,4	63,7

Grommet

Grommets enable panel mounting of either plugs or receptacle. It snaps into a hole of a panel so non-flanged plugs or receptacles can be mounted.



For connector size	Order ref.	A Ø max.	B Ø max.	C Ø max.	F max.	H	L max.
2 contacts	315-1640-000	10,41	32,39	19,18	5,84	1,40	17,53
3/4 contacts	315-1641-000	11,94	32,39	19,18	5,84	1,40	17,53
5/6/7 contacts	315-1633-000	19,43	55,88	36,70	8,00	1,65	20,57
8/9/10 cont.	315-1634-000	22,61	55,88	36,70	8,00	1,65	20,57

Wire Fillers

Wire hole fillers are inserted into unused cavities instead of a contact in order to create a watertight sealing.



Wire hole filler
Part Number 225-1012-000

Wire hole filler
Part Number 225-0093-000