

## 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

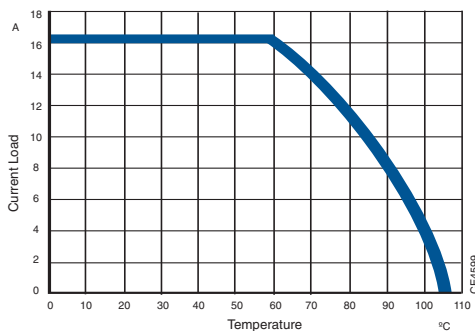
## Electrical Data SURE-SEAL

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 <sup>2</sup> (AWG 18—14) 0,50–1,0 mm <sup>2</sup> (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

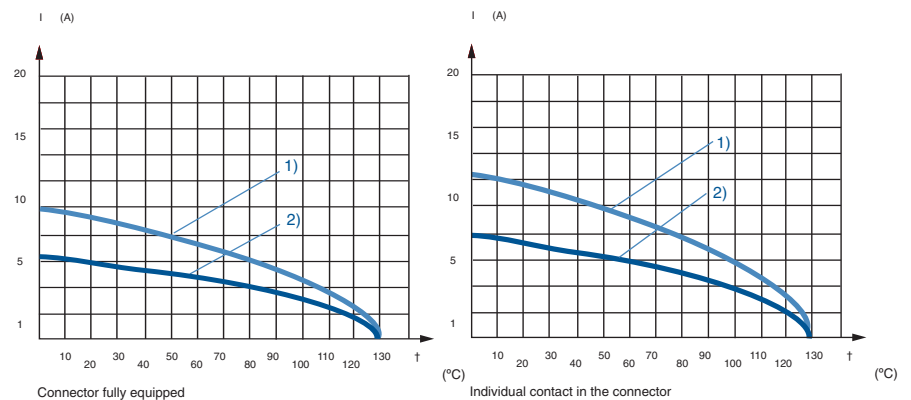
## Electrical Data Mini SURE-SEAL

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 <sup>2</sup> (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



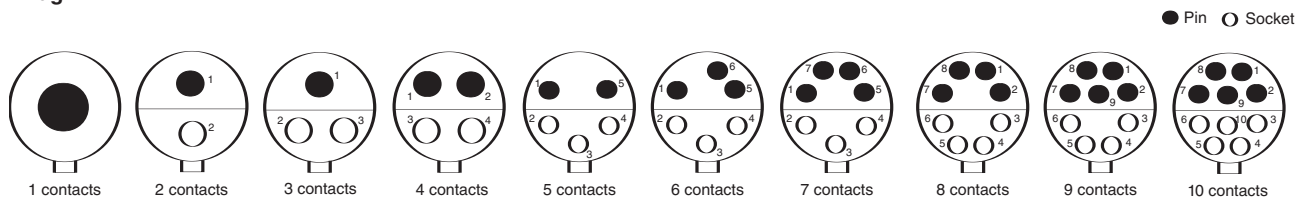
1) APK -\_\_ 10\_07-0,75qmm\*  
2) APK -\_\_ 10\_07-0,35qmm\*

Dimensions shown in mm  
Specifications and dimensions subject to change

www.ittcannon.com



## Plug



## Contact Arrangements

### Part Numbers

Plug No. of contacts	Shell size	black	red	green	yellow
1	SS1P	120-182-000*			
2	SS2P	120-8552-000	120-8552-010	120-8552-020	120-8552-030
3	SS3P	120-8552-001	120-8552-011	120-8552-021	120-8552-031
4	SS4P	120-8552-002	120-8552-012	120-8552-022	120-8552-032
5	SS5P	120-8552-005	120-8552-015	120-8552-025	120-8552-035
6	SS6P	120-8552-006	120-8552-016	120-8552-026	120-8552-036
7	SS7P	120-8552-007	120-8552-017	120-8552-027	120-8552-037
8	SS8P	120-8552-308			
9	SS9P	120-8552-309			
10	SS10P	120-8552-310			

\*) cable entry 2,4 — 3,3 mm Ø (all others 1,8 — 2,8 mm Ø)

Plug with flange No. of contacts	Shell size	black	red	green	yellow
2	SSF2P	120-8552-200	120-8552-210	120-8552-220	120-8552-230
3	SSF3P	120-8552-201	120-8552-211	120-8552-221	120-8552-231
4	SSF4P	120-8552-202	120-8552-212	120-8552-222	120-8552-232
8	SSF8P	120-8552-305			
9	SSF9P	120-8552-306			
10	SSF10P	120-8552-307			

Dimensions shown in mm  
Specifications and dimensions subject to change

[www.ittcannon.com](http://www.ittcannon.com)