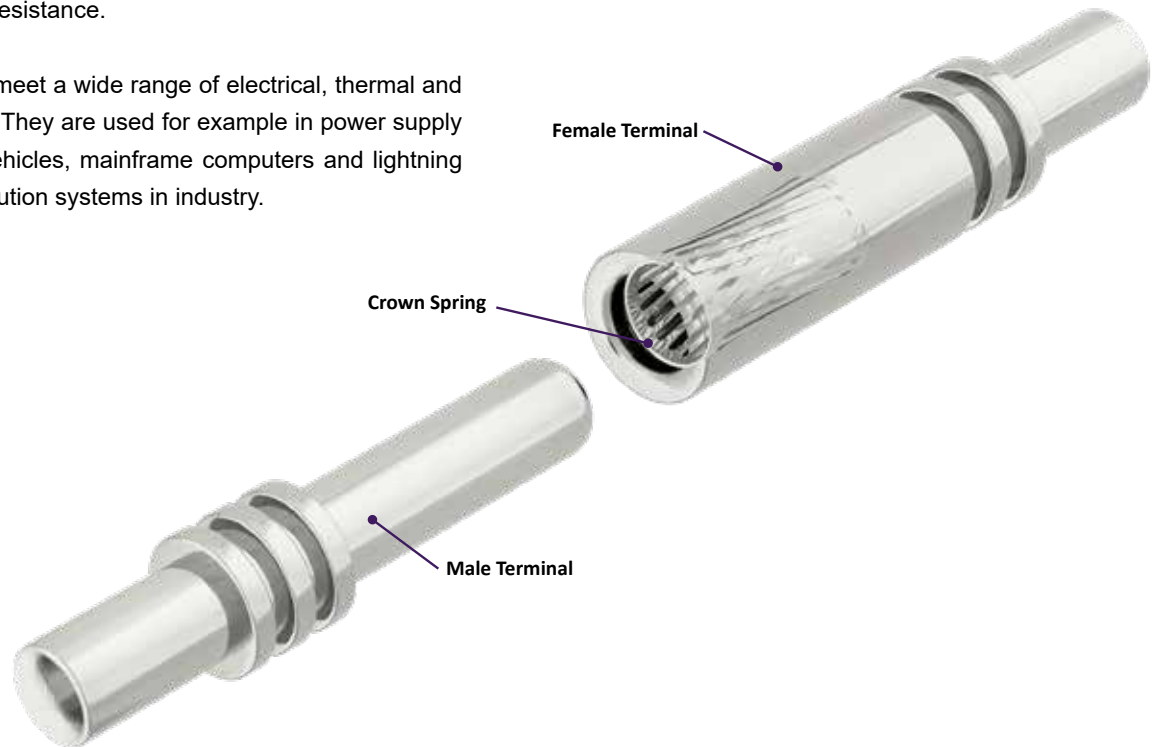


HIGH CURRENT SPECIFICATIONS

The crown spring connector uses a structure like a crown to connect the plug and the socket achieving the performance of easy insertion with good electrical and mechanical properties.

The crown spring itself is a specially formed, resilient strips of copper alloy which are silver-plated according to their application and are float-mounted in a groove. By its constant spring pressure the crown spring maintains continuous contact with the contact surface, resulting in a low and constant contact resistance.

Crown spring connectors meet a wide range of electrical, thermal and mechanical requirements. They are used for example in power supply applications for electric vehicles, mainframe computers and lightning systems and power distribution systems in industry.

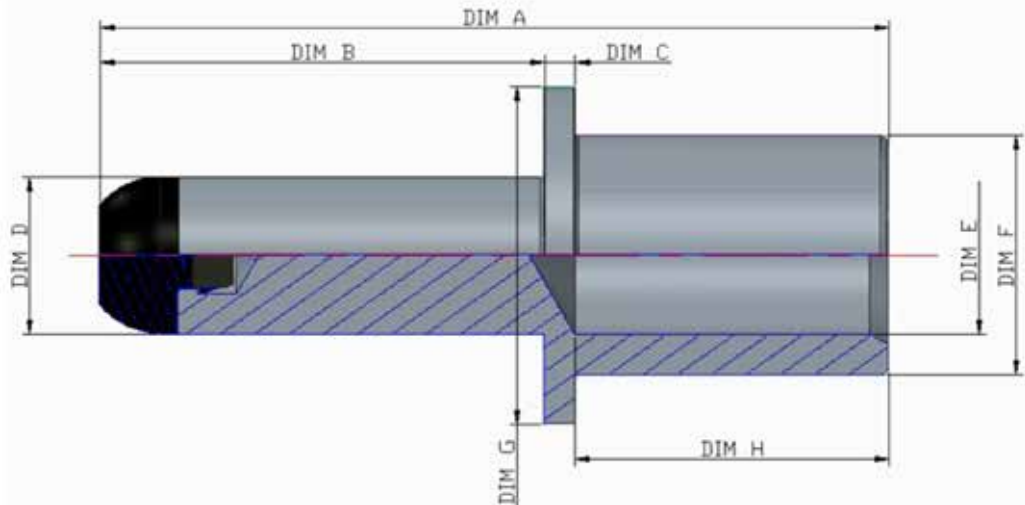


MATERIALS AND SURFACE TREATMENTS



	Crown Spring	Socket	Plug
Material	BeCu	Cu Alloy or Ag	
Process	Stamping	Turning by Lathe	
Plating	Gold Plating (Ag, Au, Ni,...)		
Interface	Tail with Screw , Crimping tail or other		
Head			Insulator Cap

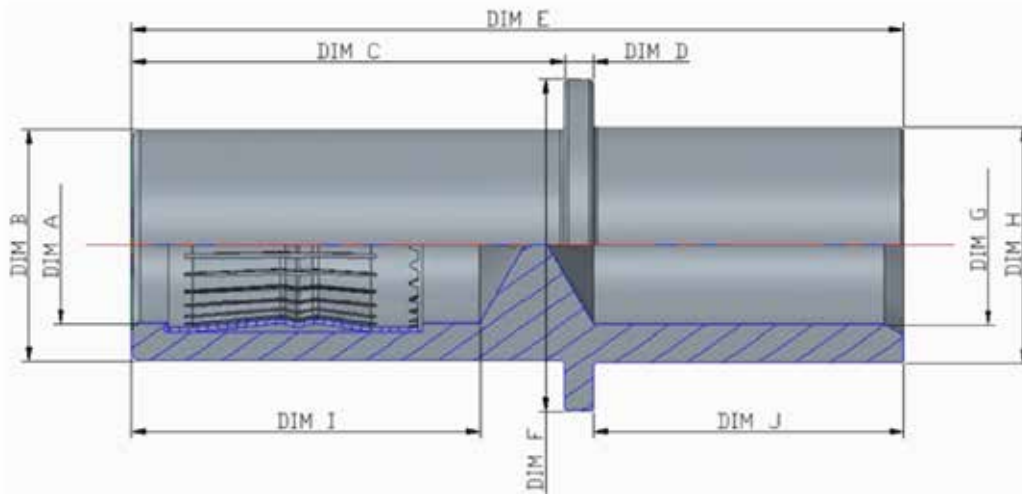
HIGH CURRENT GB TYPE PLUG



Ordercode	Dimension (mm)								Mechanical Data		Electrical Specification		Insulation Cap	Usage
	A	B	C	ΦD	ΦE	ΦF	ΦG	H	Force* (N)	Durability (Cycles)	Rated Current (A)	Contact Resistance (μΩ)		
3mm Plug														
SVPC-MCSC-0099-030	25.5	16.5	1.0	3.0	1.2	2.2	6.8	7.0	6	10.000	15	200	no	GB/T 20234.2/3
SVPC-MCSC-0135-030	23.5	14.5												
6mm Plug														
SVPC MCSC-0100-060	37.5	28.5	1.0	6.0	2.2	3.2	9.8	8.0	14	10.000	30	150	yes	GB/T 20234.2/3
SVPC-MCSC-0101-060					3.3	5.3							no	
SVPC-MCSC-0134-060					no									
SVPC-MCSC-0133-060					yes									
12 mm Plug														
SVPC-MCSC-0112-120	48.0	30.5	1.5	12.0	8.4	12.2	17.2	16.0	30	10.000	250	80	yes	GB/T 20234.3

*Withdrawal Force & Insertion Force

HIGH CURRENT GB TYPE SOCKET



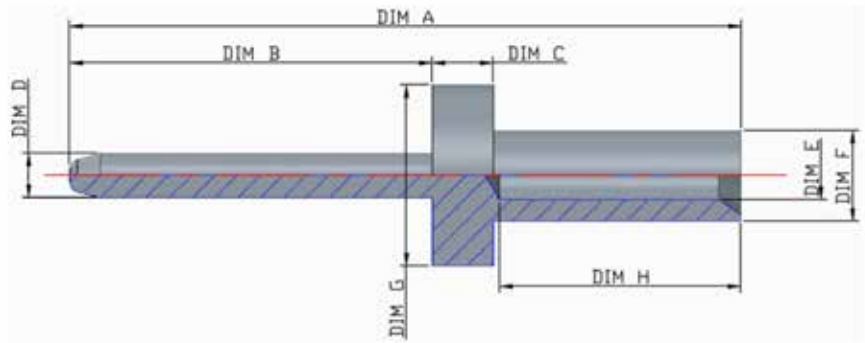
Ordercode	Dimension (mm)										Mechanical Data		Electrical Specification		Usage
	ΦA	ΦB	C	D	E	ΦF	ΦG	ΦH	I	J	Force (N)	Durability (Cycles)	Rated Current (A)	Contact Resistance (μΩ)	
3mm Socket															
SVPC-MCSC-0102-030	3.1	7.0	32.0	1.0	41.0	8.3	1.2	2.2	22.0	7.0	6	10.000	15	200	GB/T 20234.2
SVPC-MCSC-0107-030			42.0		51.0	33.0			GB/T 20234.3						
SVPC-MCSC-0108-030		5.8	32.0	41.0	7.3	23.0	GB/T 20234.2								
SVPC-MCSC-0109-030					2.3	3.2	8.0								
6mm Socket															
SVPC-FCSC-0103-060	6.1	10.0	32.0	1.0	41.0	11.3	2.3	3.2	23.0	8.0	14	10.000	30	150	GB/T 20234.2
SVPC-FCSC-0104-060			9.8		42.0	51.0	13.0	5.6	9.0	33.0					12.0
SVPC-FCSC-0113-060			10.0	32.0	46.0	11.3	3.0	5.3	23.0	8.0					GB/T 20234.2
SVPC-FCSC-0116-060					41.0	1.2	2.2	GB/T 20234.2							
12 mm Socket															
SVPC-FCSC-0105-120	12.1	15.8	42.0	1.0	83.0	18.0	8	12.0	33.0	25.0	30	10.000	250	80	GB/T 20234.3

Alle Angaben beruhen auf Aussagen unserer Lieferanten. Gewähr der Angaben nur durch explizite Bestätigung von N&H. Technische Änderungen vorbehalten.

HIGH CURRENT SAE TYPE

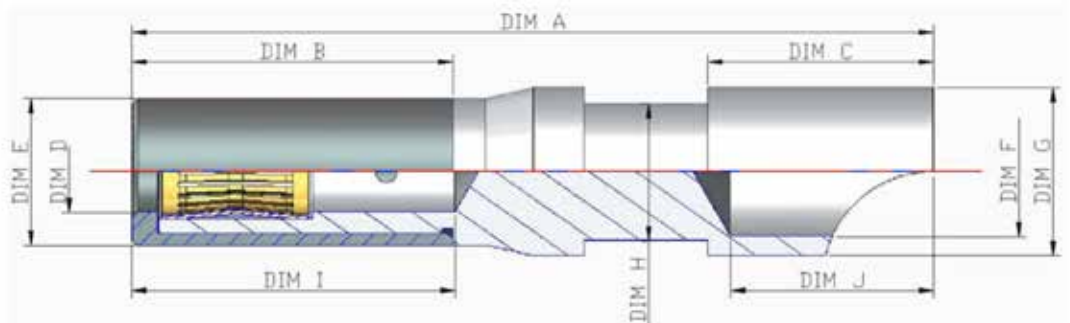


PLUG



Ordercode	Dimension (mm)								Mechanical Data		Electrical Specification		Usage
	A	B	C	ΦD	ΦE	ΦF	ΦG	H	Force (N)	Durability (Cycles)	Rated Current (A)	Contact Resistance (μΩ)	
SVPC-MCSC-0156-015	22.2	12.0	2.0	1.5	1.6	3.0	6.0	8.0	4	10.000	2	1.000	SAE J1772
SVPC-MCSC-0157-028	37.0	24.0		2.8	3.5	5.0	8.8	10.0	6		40	500	
SVPC-MCSC-0158-036	34.0	21.0		3.6					8		80	300	

SOCKET



Ordercode	Dimension (mm)										Mechanical Data		Electrical Specification		Usage
	A	B	C	ΦD	ΦE	ΦF	ΦG	ΦH	I	J	Force (N)	Durability (Cycles)	Rated Current (A)	Contact Resistance (μΩ)	
SVPC-FCSC-0129-015	36.8	15.2	7.55	1.65	3.1	1.98	2.62	1.7	12.9	6.5	4	10.000	2	1.000	SAE J1772
SVPC-FCSC-0130-028	38.4	19.9	11.25	2.95	4.9	5.33	6.3	4.0	18.7	10.2	6		40	500	
SVPC-FCSC-0131-036	36.2	14.5	10.15	3.75	6.73	5.9	7.65	6.2	14.6	9.15	8		80	300	
SVPC-FCSC-0136-036			6.75			3.85	4.85						40		

Alle Angaben beruhen auf Aussagen unserer Lieferanten. Gewähr der Angaben nur durch explizite Bestätigung von N&H. Technische Änderungen vorbehalten.