

ARMORED CONTACTS

PERFECTION AT THE HEART OF SVK - SVS - SHD SERIES



This original Syntax component is provided with a protective jacket to improve contactation on SVK - SVS - SHD series connector

Improved electrical conductivity
Self-centered for a seamless connection

Lower operating temperature
Increased number of mating cycles



The contacts are of machined high conductive alloy, gold or silver plated

CRIMP CONTACTS TYPES AND PART N.

Size	Connector	Plating	Part N.	Gender	Part N.	Gender
16	13/19/25/37/54/85 pin	Silver	SVKP16SFK	Female	SVKP16SMC	Male
		Gold	SVKP16GFK	Female	SVKP16GMC	Male
18	100/150 pin	Gold	SVKP18GFK	Female	SVKP18GMC	Male
20	72/101 pin	Gold	SVKP20GFK	Female	SVKP20GMC	Male

SOLDER CONTACTS TYPES AND PART N.

Size	Connector	Plating	Part N.	Gender	Part N.	Gender
16	13/19/25/37/54/85 pin	Gold	SVKP16GFZ	Female	SVKP16GMS	Male

CONTACTS RATING

Size	Max Current	Rated Current	Max Voltage Drop	Wire section (mm ²)	Wire section AWG
16	22 A	13 A	74 mv	1+1,5	18+16
18	10 A	7,5 A	83 mv	0,15+0,6	26+20
20	7,5 A	7,5 A	83 mv	0,15+0,3	26+22

CONNECTORS RATING

Contacts number	Operating voltage		Test voltage	Min. Flashover
	Vdc	Vac	Vac	Vac
13/19/25/150 - 72/101	250	200	1000	1400
37/54/85/100	700	500	2000	2800

PART NUMBER EXPLANATION

With armored or spring loaded contact

Part N.																					
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EXAMPLE Part N.	SVK	150	F	V	R	G	S	MP	N												
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CONNECTOR SERIES		
SVK = (13 - 19 - 25 - 37 - 54 - 85 - 100 - 150 pin) Back shell: standard. Locking ring: ergonomic and rubber coated		SVK
SVS = (72 - 101 PIN) slim series, high density. Back shell: standard. Locking ring: ergonomic and rubber coated		SVS
SHD = (13 - 19 - 25 - 37 - 54 - 85 - 100 - 150 pin) Back shell: standard. Locking ring: ergonomic and rubber coated		SHD

CONTACTS NUMBER		
013 - 019 - 025 - 037 - 054 - 072 - 085 - 100 - 101 - 150		...

CONTACT TYPE		
M = male		M
F = female		F

CONNECTOR TYPE		
V = inline		V
P = panel		P

COUPLING TERMINATION		
- = with ramps		-
H = ergonomic locking ring with improved thickness and stronger roller pins (SVK-SVS)		H
D = ergonomic locking ring with improved thickness and stronger roller pins (SHD)		D
R = rubber coated locking ring		R

CONTACT PLATING TYPE		
S = silver (13 - 19 - 25 - 37 - 54 - 85 pin)		S
G = gold (13 - 19 - 25 - 37 - 54 - 72 - 85 - 100 - 101 - 150 pin)		G
N = no contact		N

CONTACT TYPE AND TERMINATION		
C = spring loaded crimp (13 - 19 - 25 - 37 - 54 - 85 pin)		C
S = spring loaded solder (13 - 19 - 25 - 37 - 54 - 85 pin)		S
P = spring loaded pcb (13 - 19 - 25 - 37 - 54 - 85 pin)		P
N = no contact		N
K = armored crimp contact (13 - 19 - 25 - 37 - 54 - 72 - 85 - 100 - 101 - 150 pin)		K
Z = armored solder contact (13 - 19 - 25 - 37 - 54 - 72 - 85 - 100 - 101 - 150 pin)		Z

CABLE CLAMP RANGE - METRIC				
Thread Size	Clamping Range (mm)	SVK - SHD (pins)	SVS (pins)	
M 20 x 1.5	6 - 12	13 - 19		MH
M 20 x 1.5	10 - 14	13 - 19		MI
M 25 x 1.5	6 - 13	25		MJ
M 25 x 1.5	13 - 18	25		ML
M 32 x 1.5	7 - 15	37 - 54	72 - 101	MN
M 32 x 1.5	11 - 21	37 - 54	72 - 101	MM
M 32 x 1.5	18 - 25	37 - 54	72 - 101	MO
M 40 x 1.5	15 - 23	85 - 100 - 150		MQ
M 40 x 1.5	19 - 28	85 - 100 - 150		MP
M 40 x 1.5	22 - 32	85 - 100 - 150		MR

CABLE CLAMP TYPE		
N = normal		N
S = spiral flex		S
R = strain relief		R

SPECIAL VERSION (upon request)		
For example: T = inserted solder termination contacts		T
Not pre-installed		0

LOCKING RING COLOR		
0 = Black (standard)		0
1 = Green		1
2 = Red		2
3 = Yellow		3
4 = Blue		4

