G-K series

Products introduction

IIIP circular connectors are used extensively in line connectors between electrical equipment, various instruments and meters. These connectors have the features of small volume, light weigh, convenient application, high durability of plugging and unplugging, threaded coupling, good sealing performance, high conductivity and high dielectric strength. They are made according to the standard SJ/T10496. They are for military and industrial applications. Meet Russia standard.

Application

This series is recommended for use in ground vehicles and equipment in the civil and military fields.

Localized model: **G-K**

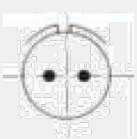
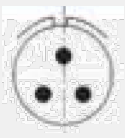
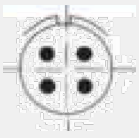
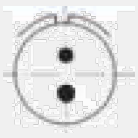
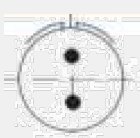
Technical characteristics

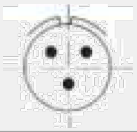
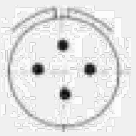
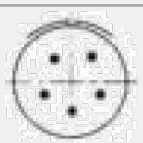
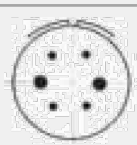
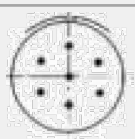
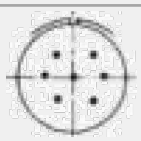
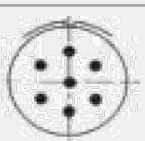
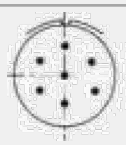
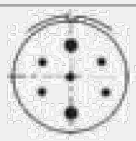
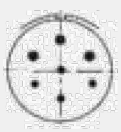
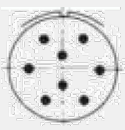
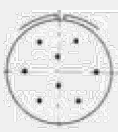
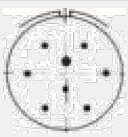
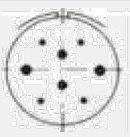
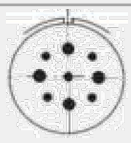
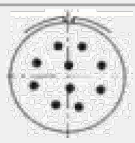
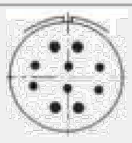
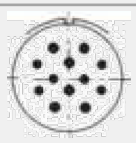
Temperature: -55°C~+125°C
Relative Humidity: 40°C, at 95%
Vibration: 100m/s2
Impact: 250 m/s2
Rated Voltage: 500 V
Proof Voltage: 1500 V
Rated Current: 10~100 A
Insulation Resistance: ≥500MΩ
Contact Resistance: ≤0.0025MΩ
Endurance: 500 cycles

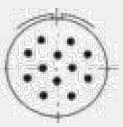
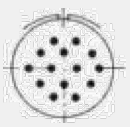
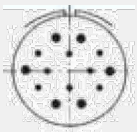
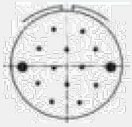
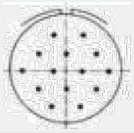
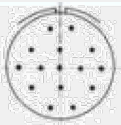
Ordering information

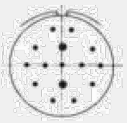
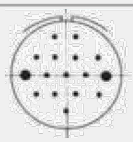
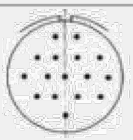
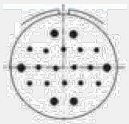
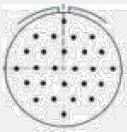
G -ground application K-basic series	G-K	20	J	1	A	Q
Shell size						
J: pin K: socket						
Number of contacts						
A – unsealed receptacle M – sealed receptacle Unmarked - Plug						
P – straight tail with shield Q – straight tail unshielded R – angle tail with shield S – angle tail unshielded						

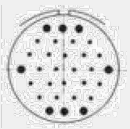
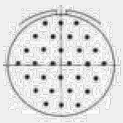
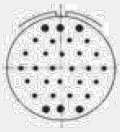
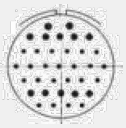
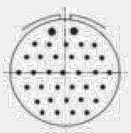
Pin Arrangement

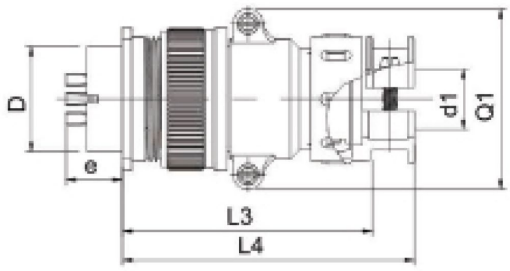
No of pin	2	3	4	2		
						
Type	G-K16	G-K16	G-K16	G-K20	G-K20	G-K28
Assembled code	1	2	3	1	2	1
Contact diameter and quantity	φ1.5×2	φ1.5×3	φ1.5×4	φ1.5×2	φ2.5×2	φ3.5×2

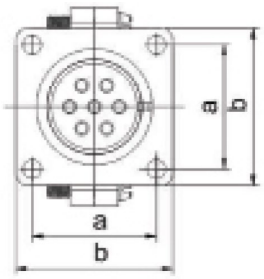
No of pin	3			3	4	
						
Type	G-K20	G-K20	G-K20	G-K40	G-K20	G-K20
Assembled code	3	4	5	1	6	7
Contact diameter and quantity	φ2.5×3	φ1.5×3	φ1.5×1 φ2.5×1	φ5.5×3	φ2.5×4	φ1.5×4
No of pin	4					
						
Type	G-K20	G-K28	G-K28	G-K28	G-K28	G-K28
Assembled code	8	7	8	9	2	10
Contact diameter and quantity	φ1.5×1 φ2.5×2	φ1.5×4	φ1.5×2 φ2.5×2	φ2.5×4	φ2.5×2 φ3.5×2	φ1.5×2 φ3.5×2
No of pin	5		6		7	
						
Type	G-K20	G-K20	G-K28	G-K28	G-K20	G-K28
Assembled code	9	10	3	11	11	4
Contact diameter and quantity	φ2.5×2	φ1.5×5	φ1.5×1 φ3.5×2	φ1.5×6	φ1.5×7	φ2.5×7
No of pin	7				8	
						
Type	G-K28	G-K28	G-K28	G-K28	G-K32	G-K32
Assembled code	12	13	14	15	2	7
Contact diameter and quantity	φ1.5×7	φ1.5×5 φ2.5×2	φ1.5×4 φ2.5×3	φ1.5×3 φ2.5×4	φ2.5×8	φ1.5×8
No of pin	8		9	10		12
						
Type	G-K32	G-K32	G-K40	G-K32	G-K32	G-K32
Assembled code	8	9	2	10	11	3
Contact diameter and quantity	φ1.5×7 φ2.5×1	φ1.5×4 φ2.5×4	φ2.5×5 φ3.5×4	φ1.5×10	φ1.5×6 φ2.5×4	φ1.5×6 φ2.5×6

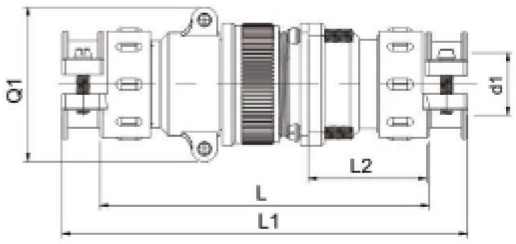
No of pin	12	14				15
						
Type	G-K32	G-K32	G-K40	G-K40	G-K40	G-K40
Assembled code	12	4	3	4	5	6
Contact diameter and quantity	φ1.5×12	φ1.5×14	φ1.5×8 φ2.5×6	φ1.5×12 φ2.5×2	φ1.5×14	φ1.5×15

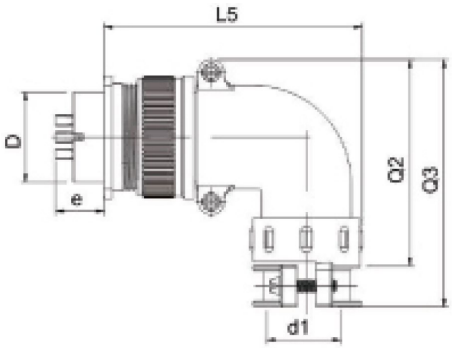
No of pin	15	16		20	26
					
Type	G-K40	G-K40	G-K40	G-K48	G-K48
Assembled code	7	8	9	5	6
Contact diameter and quantity	φ1.5×13 φ2.5×2	φ1.5×14 φ2.5×2	φ1.5×16	φ1.5×14 φ2.5×6	φ1.5×26

No of pin	30			35	
					
Type	G-K55	G-K55	G-K55	G-K55	G-K55
Assembled code	3	4	5	7	8
Contact diameter and quantity	φ1.5×22 φ2.5×8	φ1.5×30	φ1.5×24 φ2.5×6	φ1.5×23 φ2.5×10 φ3.5×2	φ1.5×33 φ3.5×2









Dimensions

Size	16	20	28	32	36	40	48	55	60
D	16	20	28	32	36	40	48	55	60
L	106	114	128	134	140	142	146	146	142
L1	86	92	100	106	112	114	118	118	114
L2	28	32	36	40	42	42	44	44	42
L3	58	60	64	56	70	72	74	74	72
L4	68	71	78	80	84	86	88	88	86
L5	64	71	81	81	84	88	98	106	111
Q1	28.5	36	48	52	54	60	68	74	80
Q2	40	48	62	66	67	72	81	88	94
Q3	50	59	76	80	81	86	95	102	108
a	19	22	30	32	34	40	48	52	54
b	25	30	38	40	42	48	58	64	68
d1	8	16	19	20	22	22	30	38	45