

KQ2 Series Electrical Connectors

PEH2 type electrical connectors are used in AC and DC (< 3 MHz) circuits.



Localized model: KQ2

Technical performance

Ambient temperature: - 60 °C ~ + 105 °C

Vibration: 1 ~ 2000 Hz 30g

Shock: — single 500g, multiple 40g

Contact resistance:

Ø2.5mm	Ø3.5mm	Ø5.5mm
≤0.002 Ω	≤0.001 Ω	≤0.007 Ω

Insulation resistance: ≥ 1000 MΩ (under normal conditions)

Test voltage: 1850 V

Rated voltage: 500 V

Working hours: 1000 hours

Mechanical life: 1500 times plugging and unplugging

Guarantee period: 7 years

Technical conditions: ABO.364.032TV

Contact characteristics

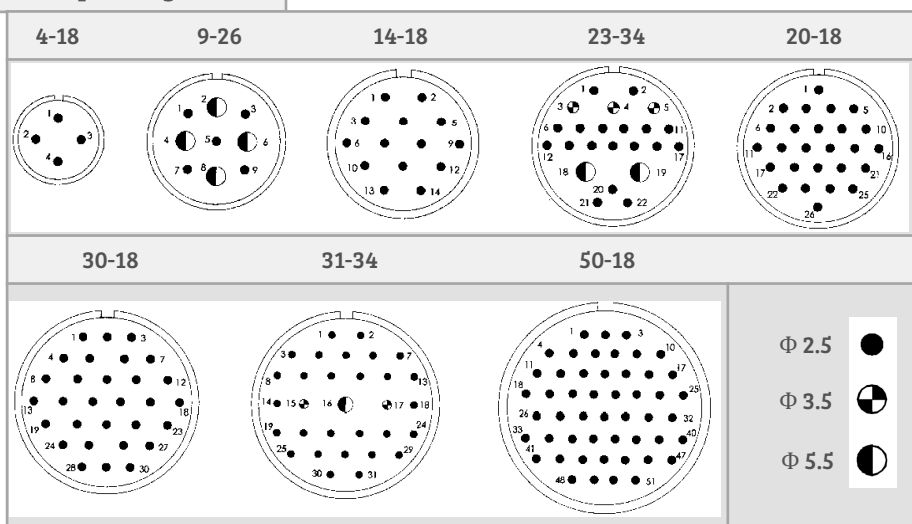
Contact diameter mm/quantity	Single Contact Current A	Single Contact Current A	Insertion force N(kg)
2.5/4	20	80	39(4)
2.5/5	20	400	118(12)
5.5/4	100	400	
2.5/14	20	220	
2.5/18	20	470	147(15)
3.5/3	50		
5.5/2	100		
2.5/26	20	260	128(13)
2.5/30	20	300	147(15)
2.5/28	20	460	177(18)
3.5/2	50		
5.5/1	100		
2.5/50	20	450	196(20)

Mark description

Russian: PEH2	- 4 -	18	III	2 -	B	Chinese: KQ2	- 4	-18	J	2	B
Model						Model					
Number of contacts						Number of contacts					
Contact arrangement combination number						Contact arrangement combination number					
III — pin I — hole						J — pin K — hole					
2 — docking device (socket)						2 — socket					
7 — connecting cable (plug)						7 — plug					
all-weather						all-weather					

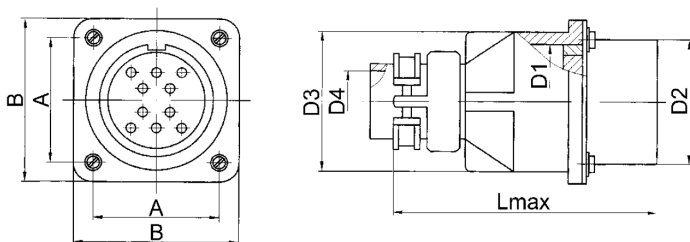
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Insulator Hole Group Arrangement



Insulator Hole Group Arrangement

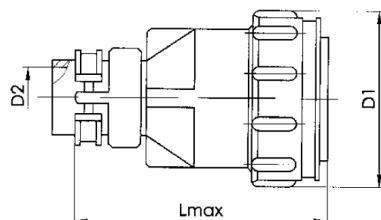
- **Socket(2)**



Model	Size							Mass (grams)
	D ₁	D ₂	D ₃	D ₃	A	B	L _{max}	
РБН2-4-18Ш2	20	27	25	9	31	23	97	90
РБН2-4-18Г2								100
РБН2-14-18Ш2	40	46	46.5	17	48	40	104	230
РБН2-14-18Г2								260
РБН2-9-26Ш2	48	54	54.5	23	58	48	124	350
РБН2-9-18Г2								400
РБН2-26-18Ш2								340
РБН2-26-18Г2								390
РБН2-23-34Ш2	55	60	61.5	32 26	64	52		380
РБН2-23-34Г2								440
РБН2-30-18Ш2								360
РБН2-30-18Г2								425
РБН2-31-34Ш2	60	66	66.5	32	68	54		410
РБН2-31-34Г2								470
РБН2-50-18Ш2								400
РБН2-50-18Г2								480

Insulator Hole Group Arrangement

- Socket(2)



Model	Size			Mass (grams)
	D ₁	D ₂	L _{max}	
РБН2-4-18Ш7	34	9	91	80
РБН2-4-18Г7				90
РБН2-14-18Ш7	53	17	102	205
РБН2-14-18Г7				250
РБН2-9-Ш7	61	Model	Model	330
РБН2-9-Г7				380
РБН2-26-18Ш7				320
РБН2-26-18Г7				380
РБН2-23-Ш7	67	32 26	102	325
РБН2-23-Г7				395
РБН2-30-18Ш7				320
РБН2-30-18Г7				390
РБН2-31-Ш7	73	32		340
РБН2-31-Г7				440
РБН2-50-18Ш7				350
РБН2-50-18Г7				440