

Connectors Industrial Circular Series

KLS15-226-FQ Connectors Industrial Circular Series

Introduction

FQ series waterproof round electric connector accord with Ministry of the Electronics Industry components and parts industrial administration bureau office criticize standard DZ4Q/RE008-84 make, advanced structure of producing etc., high dependability have, jack is it adopt high reliable squirrel-cage elasticity exposed to replacing the traditional line reed structure to exposed to, the products have the resistance of contacting low, anti-vibration, shock-resistant, such characteristics as the sealing is strong, the seat connection of the plug is joined fast for the mouth type of the card, simple to use, easy to operate, widely used in the electric connection among various kinds of electronic equipment.



TECHNICAL CHARACTERISTICS

Temperature: -55°C ~ +105°C
Relative humidity: 98±3% at 40°C
Vibration: 10-2000HZ, 150m/s²
Shock : 500m/s²
Atmospheric : 1 KPa
Resistance: 0.1Ω Min.
Endurance: 500 cycles

Experimental voltage (50HZ)

Exposed to the centre-to-centre spacing correctly	Under the normal condition	After test moistly
≥ 3.5mm	1500V	1000V
2.8mm	1200V	800V

Experimental voltage (50HZ) under the low pressure condition

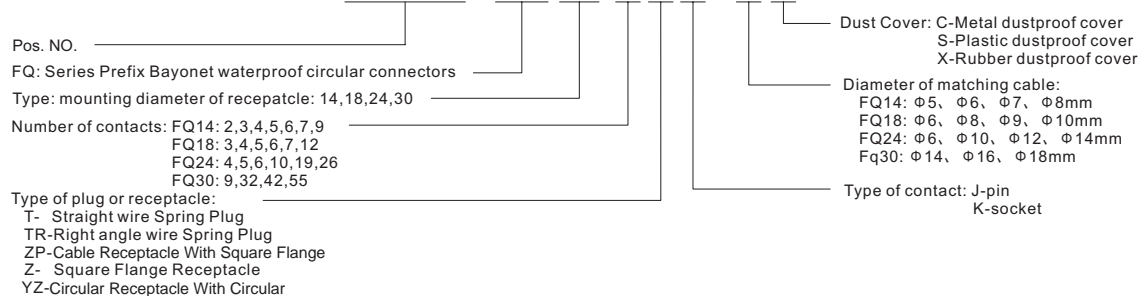
Atmospheric pressure	Exposed to the centre-to-centre spacing correctly	
	≥ 3.5mm	2.8mm
46.7	1000V	730V
8.5	500V	400V
4.4	400V	300V

Insulating resistance

Under the normal condition	Under the high-temperature condition	After test moistly
≥ 5000MΩ	≥ 500MΩ	≥ 100MΩ

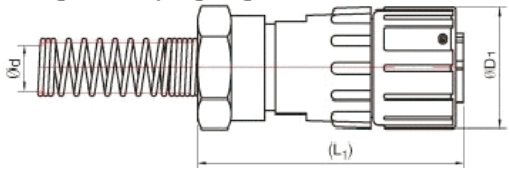
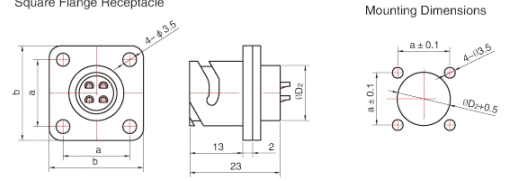
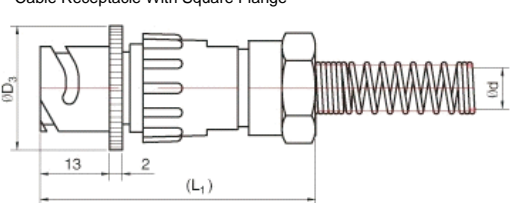
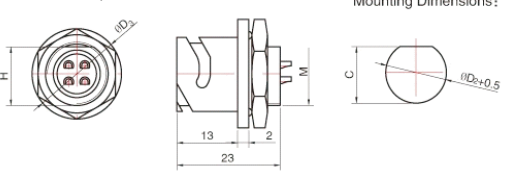
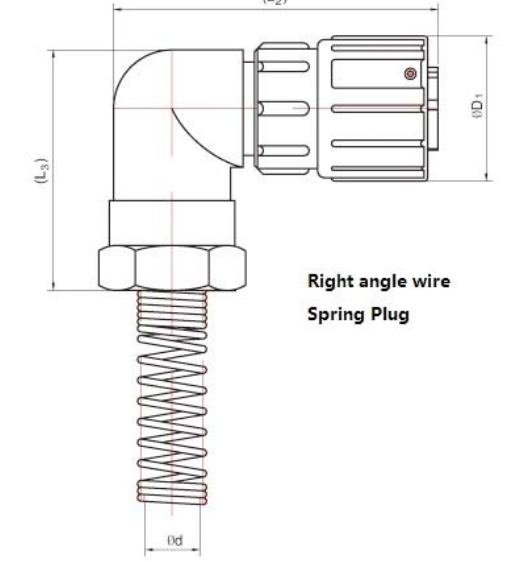
ORDER INFORMATION

Product NO.: KLS15-226-FQ 14-4 T K - 6 S



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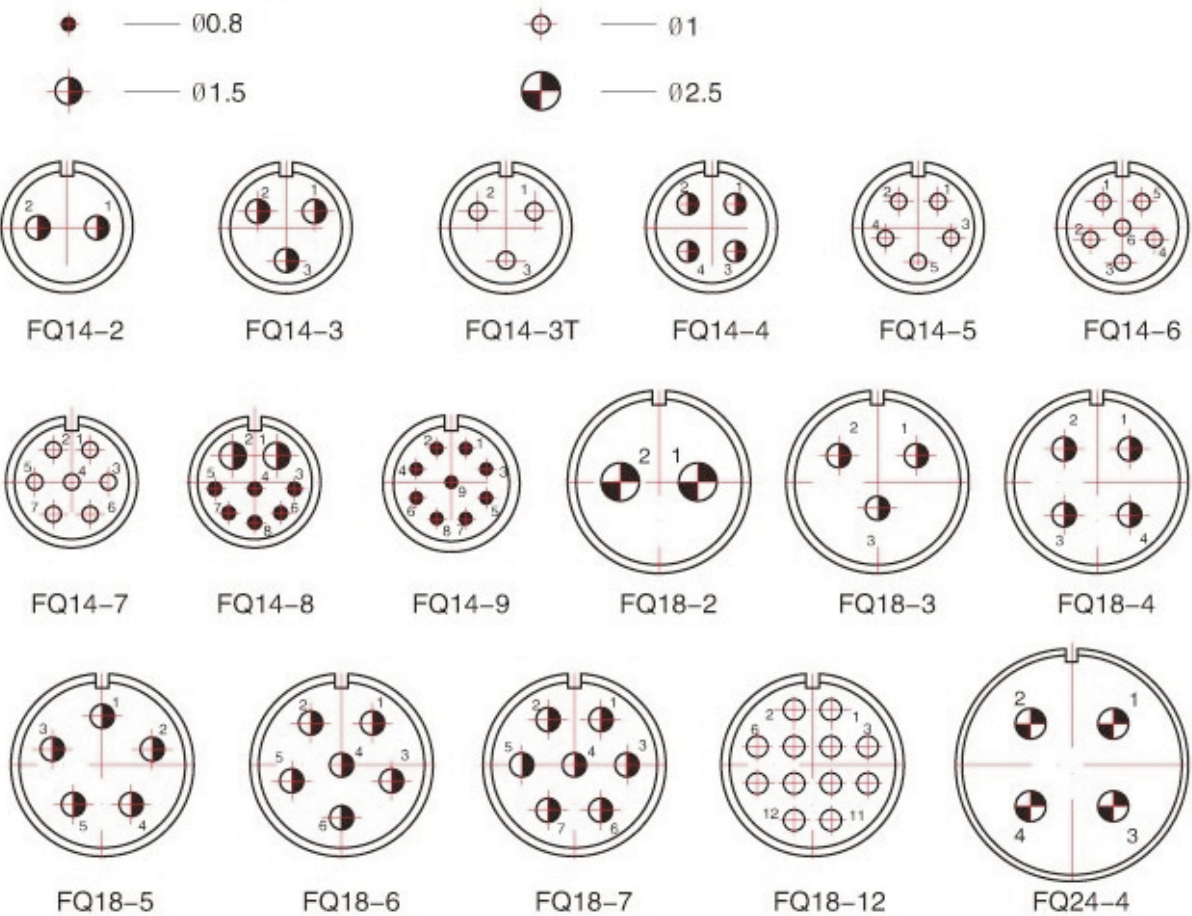
<p>Straight Wire Spring Plug</p> 	Type	ΦD1	L1	Φd Cable sealing shroud	
	FQ14	Φ 21	47/50	Φ 5、Φ 6、Φ 7、Φ 8	
	FQ18	Φ 27	53	Φ 6、Φ 8、Φ 9、Φ 10	
	FQ24	Φ 33	61	Φ 6、Φ 10、Φ 12、Φ 14	
	FQ30	Φ 39.5	68	Φ 14、Φ 16、Φ 18	
<p>Square Flange Receptacle</p> 	Type	a	b	ΦD2	
	FQ14	17± 0.2	24	Φ 14	
	FQ18	20± 0.2	27	Φ 18	
	FQ24	26± 0.2	33	Φ 24	
	FQ30	31± 0.1	38	Φ 30	
<p>Cable Receptacle With Square Flange</p> 	Type	ΦD3	L1	Φd Cable sealing shroud	
	FQ14	19.7	47/50	Φ 5、Φ 6、Φ 7、Φ 8	
	FQ18	23.8	53	Φ 6、Φ 8、Φ 9、Φ 10	
	FQ24	30	61	Φ 6、Φ 10、Φ 12、Φ 14	
	FQ30	36	68	Φ 14、Φ 16、Φ 18	
<p>Circular Receptacle With Circular</p> 	Type	ΦD3	M	ΦD2	H C
	FQ14	19.7	M14x1	Φ 14	13 13.2
	FQ18	23.8	M18x1	Φ 18	17 17.2
	FQ24	30	M24x1	Φ 24	23 23.2
	FQ30	36	M30x1	Φ 30	29 29.2
<p>Right angle wire Spring Plug</p> 	Type	ΦD1	L2	L3	Φd Cable sealing shroud
	FQ14	Φ 21	38.3	37	Φ 6、Φ 7、Φ 8
	FQ18	Φ 27	43.8	38	Φ 6、Φ 8、Φ 9、Φ 10
	FQ24	Φ 33	55.8	45	Φ 6、Φ 10、Φ 12、Φ 14
	FQ30	Φ 39.5	57.5	50	Φ 14、Φ 16、Φ 18

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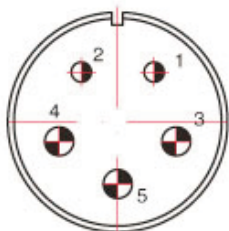
Exposed to a diameter	Electric current	Voltage ($\leq 40\text{Hz}$)		Exposed to the resistance
		Contact centre-to-centre spacing $\geq 3.5\text{mm}$	Contact centre-to-centre spacing 2.8mm	
0.8mm	2A	$\geq 3.5\text{mm}$	2.8mm	0.01 Ω
1.0mm	3A			0.005 Ω
1.5mm	10A	500v	400v	0.0025 Ω
2.5mm	25A			0.001 Ω

The Number and Arrangement of Contacts



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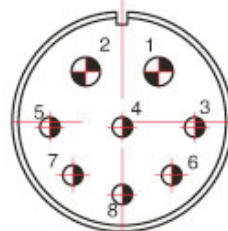
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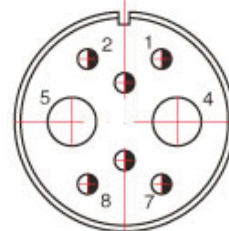
FQ24-5



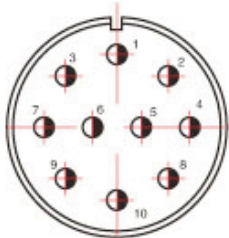
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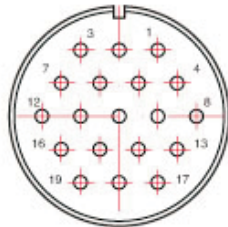
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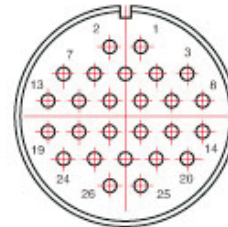
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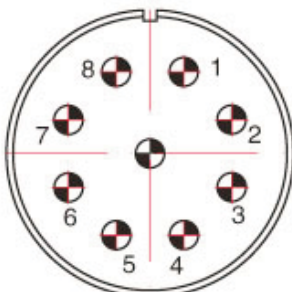
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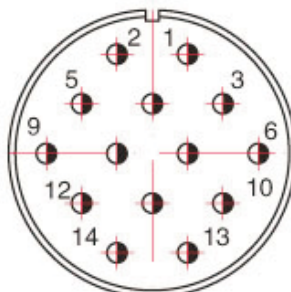
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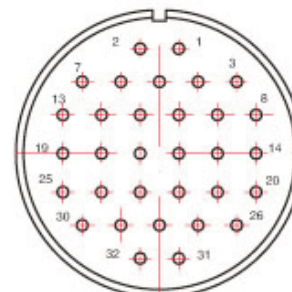
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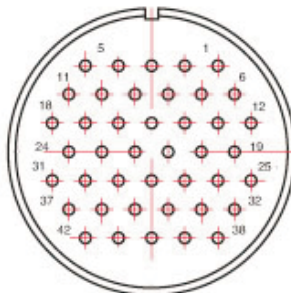
FQ30-9



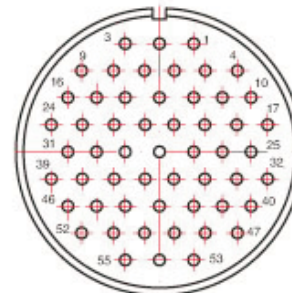
FQ30-14



FQ30-32



FQ30-42



FQ30-55