

G25F

Electrical Connector Test Quick Connector

ONE-STOP CONNECTION

Low-Pressure Testing | Easy Replacement | Cost-Effective | Full Model Range | Fast Operation | Various Seal Materials |

The G25F series is intended for leak testing of electrical interfaces; for communication / electrical testing please refer to the E10 series. The electrical interface bore is sealed by expanding the seal. The connector is short overall, preventing its own length and weight from affecting sealing performance.



Electrical Connector Testing Connection Solution

- * Sliding sleeve locks to prevent ejection
- * Shorter body to prevent tipping
- * Handle operation: simple, effort-saving, self-locking and anti-rebound
- * Rotatable handle for easy operation
- * Aluminum body: light and robust
- * Self-adjusting spring extends service life

G25F Series Quick Connector Features

1. Handle operation

Simple operation: align with the electrical interface and fold the handle down 90° to make the sealed connection.

2. Expanding seal

Reliable sealing, easy seal replacement and simple maintenance.

3. Four versions available

G25F-DK high-current pin / hole type, G25F-DJ high-current clip type, G25F-T probe type, G25F-JP low-current clip type.

4. Multiple material options

The connector housing is made of aviation aluminum, POM, glass-filled nylon, resin and similar materials: lightweight and durable, ensuring connector life while reducing operator effort

5. Pneumatic version G15F

The G15F is designed for automated or pneumatic connection, using pneumatic drive for fast sealing of electrical interfaces

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Selected Bodies



G25F-DJ517419R6.7



G25F-T400210R3



G15F-T300210R3



G15F-JP318305R7.3-GF

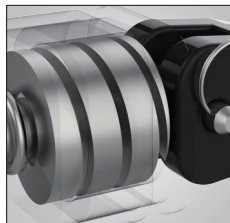
G25F

Electrical Connector Test Quick Connector

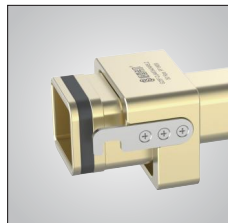
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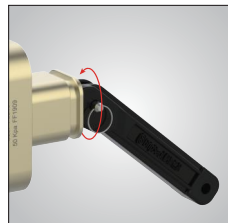
G25F Quick Connector Advantages and Features



Self-adjusting spring:
Seal pressure adjusts automatically to the bore diameter, extending service life



Sliding sleeve locking:
Sliding sleeve locks to prevent ejection



Rotatable handle:
The handle rotates for easier operation

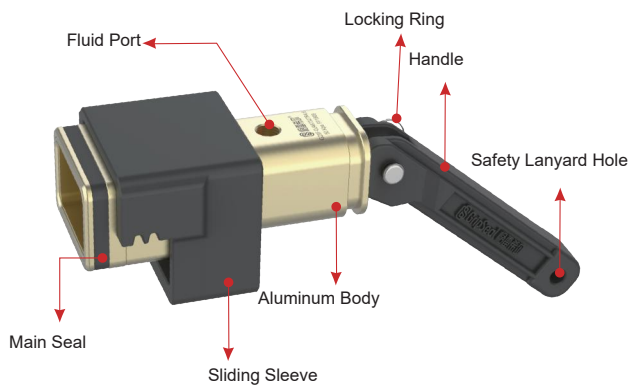


Aluminum Body:
Lightweight and durable, reducing operator fatigue



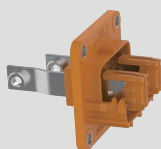
Handle operation:
Simple, effort-saving, self-locking and anti-rebound

G25F Quick Connector Specifications

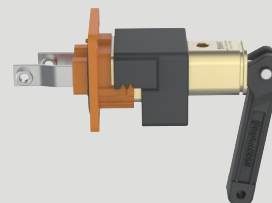
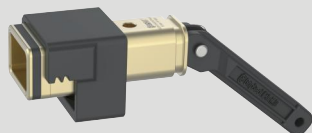


Max. Op. Pressure	Vacuum to 50 kPa
Sealing Range	Customised to the electrical interface size
Flow Port	M5,BSPP1/8
Material	Aluminum
Main Seal	Neoprene / Silicone
Operating Temp.	-20 °C to +120 °C

G25F Operation Demo



1. Insert the front seal of the connector into the electrical connector to be sealed



2. Lock the sliding sleeve and fold the handle to form the seal

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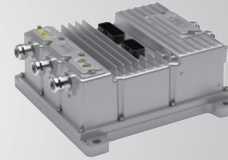
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Application Cases:

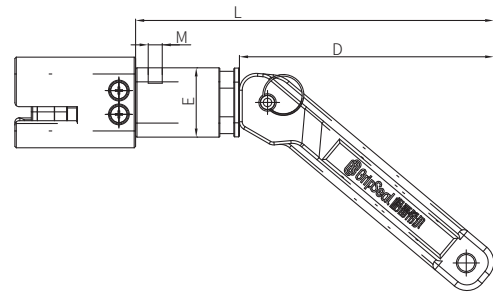
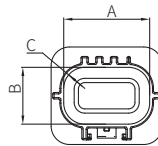
EV Battery Pack Testing
Motor Controller Leak
Testing



EV Battery Pack



Motor Controller



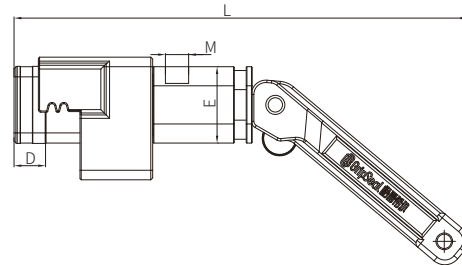
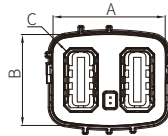
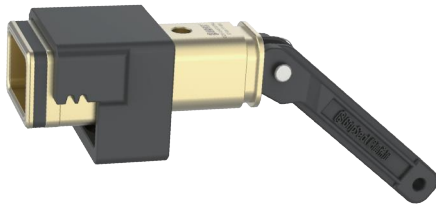
G25F-JP Low-Current Clip Type

Model	Inner Length A	Inner Width B	Corner Radius C	Dim. D	Dim. E	Dim. L	Fluid Port M	Max. Pressure	Main Seal Kit**
G25F-JP275183R6.6	27.5	18.3	6.6	90.6	24.7	127.6	M5	50Kpa	SG25F-JP275183R6.6
G25F-JP280254R6.6	28.0	25.4	6.6	90.6	24.7	127.6	M5	50Kpa	SG25F-JP280254R6.6
G25F-JP281188R6	28.1	18.8	6.0	90.6	24.7	127.6	M5	50Kpa	SG25F-JP281188R6
G25F-JP285175R6.8	28.5	17.5	6.8	90.6	24.7	127.6	M5	50Kpa	SG25F-JP285175R6.8
G25F-JP287194R6.2	28.7	19.4	6.2	90.6	24.7	127.6	M5	50Kpa	SG25F-JP287194R6.2
G25F-JP290192R6.7	29.0	19.2	6.7	90.6	24.7	127.6	M5	50Kpa	SG25F-JP290192R6.7
G25F-JP291203R8.3	29.1	20.3	8.3	90.6	24.7	127.6	M5	50Kpa	SG25F-JP291203R8.3
G25F-JP298184R6.3	29.8	18.4	6.3	90.6	24.7	127.6	M5	50Kpa	SG25F-JP298184R6.3
G25F-JP330301R8.9	33.0	30.1	8.9	90.6	24.7	127.6	M5	50Kpa	SG25F-JP330301R8.9
G25F-JP330193R5	33.0	19.3	5.0	90.6	24.7	127.6	M5	50Kpa	SG25F-JP330193R5
G25F-JP330249R10.6	33.0	24.9	10.6	90.6	24.7	127.6	M5	50Kpa	SG25F-JP330249R10.6
G25F-JP302207R7.1	30.2	22.0	7.1	90.6	24.7	127.6	M5	50Kpa	SG25F-JP302207R7.1
G25F-JP303214R7.4	30.3	21.4	7.4	90.6	24.7	127.6	M5	50Kpa	SG25F-JP303214R7.4
G25F-JP304201R7.5	30.4	20.1	7.5	90.6	24.7	127.6	M5	50Kpa	SSG25F-JP304201R7.5
G25F-JP365296R8.0	36.5	29.6	8.0	90.6	24.7	127.6	M5	50Kpa	SG25F-JP365296R8.0
G25F-JP379224R7.4	37.9	22.4	7.4	90.6	24.7	127.6	M5	50Kpa	SG25F-JP379224R7.4
G25F-JP382230R7.7	38.2	23.0	7.7	90.6	24.7	127.6	M5	50Kpa	SG25F-JP382230R7.7
G25F-JP403194R6.2	40.3	31.9	6.2	90.6	24.7	127.6	M5	50Kpa	SG25F-JP403194R6.2
G25F-JP429254R10.7	42.9	25.4	10.7	132.1	24.7	127.6	M5	50Kpa	SG25F-JP429254R10.7
G25F-JP311298R9.4	31.1	29.8	9.4	132.1	32.0	127.6	BSPP1/8	50Kpa	SG25F-JP311298R9.4
G25F-JP313313R7.3	31.3	31.3	7.3	132.1	32.0	127.6	BSPP1/8	50Kpa	SG25F-JP313313R7.3
G25F-JP318305R7.3	31.8	30.5	7.3	132.1	32.0	127.6	BSPP1/8	50Kpa	SG25F-JP318305R7.3
G25F-JP330330R8	33.0	33.0	8.0	132.1	32.0	127.6	BSPP1/8	50Kpa	SG25F-JP330330R8
G25F-JP368318R9.9	36.8	31.8	9.9	132.1	32.0	127.6	BSPP1/8	50Kpa	SG25F-JP368318R9.9

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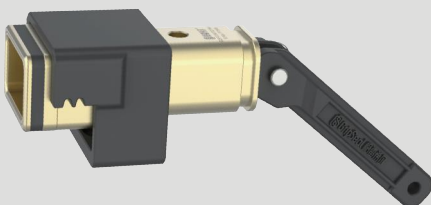
Low-Pressure Testing | Easy Replacement | Cost-Effective | Full Model Range | Fast Operation | Various Seal Materials |



G25F-DJ High-Current Clip Type

Model	Inner Length A	Inner Width B	Corner Radius C	Dim. D	Dim. E	Dim. L	Fluid Port M	Max. Pressure	Main Seal Kit**
G25F-DJ378338R4.1	37.8	33.8	4.1	21.0	24.7	184.1	M5	50Kpa	SG25F-DJ378338R4.1
G25F-DJ387327R4.6	38.7	32.7	4.6	13.2	32.0	190.1	BSP P1/8	50Kpa	SG25F-DJ387327R4.6
G25F-DJ392340R5.3	39.2	34.0	5.3	20.8	24.7	184.1	M5	50Kpa	SG25F-DJ392340R5.3
G25F-DJ393312R6.8	39.3	31.2	6.8	13.2	32.0	190.1	BSP P1/8	50Kpa	SG25F-DJ393312R6.8
G25F-DJ400319R7.2	40.0	31.9	7.2	13.2	32.0	190.1	BSP P1/8	50Kpa	SG25F-DJ400319R7.2
G25F-DJ418338R3.9	41.8	33.8	3.9	9.2	32.0	194.1	BSP P1/8	50Kpa	SG25F-DJ418338R3.9
G25F-DJ429328R9.2	42.9	32.8	9.2	27.0	32.0	194.1	BSP P1/8	50Kpa	SG25F-DJ429328R9.2
G25F-DJ434358R4.1	43.4	35.8	4.1	13.0	32.0	195.7	BSP P1/8	50Kpa	SG25F-DJ434358R4.1
G25F-DJ445391R8.3	44.5	39.1	8.3	13.0	32.0	192.1	BSP P1/8	50Kpa	SG25F-DJ445391R8.3
G25F-DJ463404R8.2	46.3	40.4	8.2	16.3	32.0	194.1	BSP P1/8	50Kpa	SG25F-DJ463404R8.2
G25F-DJ456354R5.3	45.6	35.4	5.3	13.2	32.0	191.8	BSP P1/8	50Kpa	SG25F-DJ456354R5.3
G25F-DJ466379R4.1	46.6	38.9	4.1	16.3	30.0	194.1	BSP P1/8	50Kpa	SG25F-DJ466379R4.1
G25F-DJ467327R4.6	46.7	32.7	4.6	13.2	32.0	190.1	BSP P1/8	50Kpa	SG25F-DJ467327R4.6
G25F-DJ509414R6.3	50.9	41.4	6.3	15.1	32.0	201.7	BSP P1/8	50Kpa	SG25F-DJ509414R6.3
G25F-DJ517419R6.7	51.7	41.9	6.7	15.0	32.0	199.0	BSP P1/8	50Kpa	SG25F-DJ517419R6.7
G25F-DJ516437R7.5	51.6	43.7	7.5	15.0	32.0	199.1	BSP P1/8	50Kpa	SG25F-DJ516437R7.5
G25F-DJ523417R8.5	52.3	41.7	8.5	15.0	32.0	199.1	BSP P1/8	50Kpa	SG25F-DJ523417R8.5
G25F-DJ554464R5.7	55.4	46.4	5.7	13.0	32.0	212.9	BSP P1/8	50Kpa	SG25F-DJ554464R5.7
G25F-DJ554470R9	55.4	47.0	9.0	13.0	32.0	197.1	BSP P1/8	50Kpa	SG25F-DJ554470R9
G25F-DJ570470R9	57.0	47.0	9.0	13.2	32.0	213.1	BSP P1/8	50Kpa	SG25F-DJ570470R9
G25F-DJ587477R10.6	58.7	47.7	10.6	13.0	32.0	212.9	BSP P1/8	50Kpa	SG25F-DJ587477R10.6

For Serrated Electrical Sockets



For Ear-Type Electrical Sockets

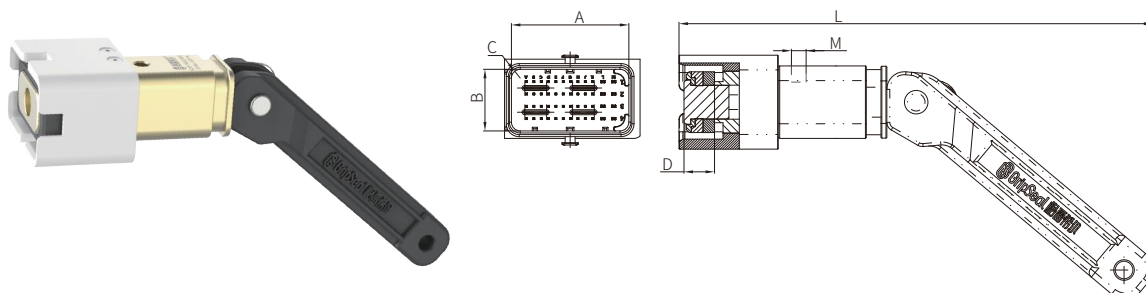


Note: 1. The bore must be deep enough to accept the seal at the front of the connector. 2. The main seal kit contains enough material for 5 replacements.

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G25F-T Probe Type

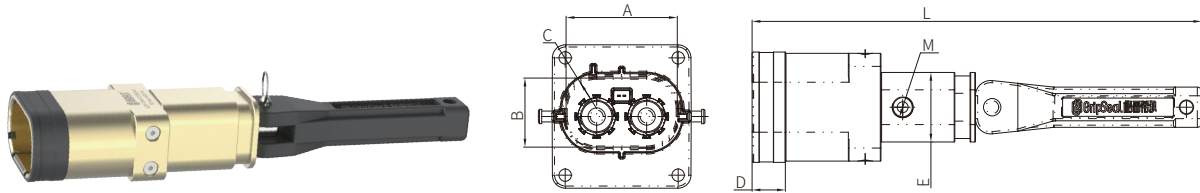
Model	Inner Length A	Inner Width B	Corner Radius C	Pins	Dim. D	Dim. L	Fluid Port M	Max. Pressure	Main Seal Kit**
G25F-T186183R4.3	18.6	18.3	4.3	6	23.5	166.1	M5	50Kpa	SG25F-T186183R4.3
G25F-T216146R3.6	21.6	14.6	3.6	4	11.4	150.2	M5	50Kpa	SG25F-T216146R3.6
G25F-T217119R4	21.7	11.9	4.0	12	9.0	150.4	M5	50Kpa	SG25F-T217119R4
G25F-T260080R1.8	26.0	8.0	1.8	24	9.9	150.2	M5	50Kpa	SG25F-T260080R1.8
G25F-T266148R4.3	26.6	14.8	4.3	12	11.0	149.5	M5	50Kpa	SG25F-T266148R4.3
G25F-T267152R4.3	26.7	15.2	4.3	12	13.6	157.2	M5	50Kpa	SG25F-T267152R4.3
G25F-T278244R2.8	27.8	24.4	2.8	60	13.5	168.5	M5	50Kpa	SG25F-T278244R2.8
G25F-T280280R8	28.0	28.0	8.0	/	14.7	172.9	M5	50Kpa	SG25F-T280280R8
G25F-T281109R3.5	28.1	10.9	3.5	16	15.4	153.6	M5	50Kpa	SG25F-T281109R3.5
G25F-T284206R4.7	28.4	20.6	4.7	10	13.8	161.4	M5	50Kpa	SG25F-T284206R4.7
G25F-T296146R3.6	29.6	14.6	3.6	6	11.4	150.2	M5	50Kpa	SG25F-T296146R3.6
G25F-T300210R3.0	30.0	21.0	3.0	32	10.4	161.4	M5	50Kpa	SG25F-T300210R3.0
G25F-T318104R3.5	31.8	10.4	3.5	/	11.2	150.2	M5	50Kpa	SG25F-T318104R3.5
G25F-T319184R4.1	31.9	18.4	4.1	12	26.3	165.9	M5	50Kpa	SG25F-T319184R4.1
G25F-T319204R4	31.9	20.4	4.0	32	10.8	169.6	M5	50Kpa	SG25F-T319204R4
G25F-T362142R7.1	36.2	14.2	7.1	14	11.1	153.7	M5	50Kpa	SG25F-T362142R7.1
G25F-T378164R6.5	37.8	16.4	6.5	20	11.4	155.2	M5	50Kpa	SG25F-T378164R6.5
G25F-T400210R3	40.0	21.0	3.0	48	10.4	161.4	M5	50Kpa	SG25F-T400210R3
G25F-T404206R4.7	40.4	20.6	4.7	23	14.6	162.6	M5	50Kpa	SG25F-T404206R4.7
G25F-T428156R4.5	42.8	15.6	4.5	18	11.4	155.2	M5	50Kpa	SG25F-T428156R4.5
G25F-T406150R4.3	40.6	15.0	4.3	20	16.2	163.2	M5	50Kpa	SG25F-T406150R4.3
G25F-T432345R5.4	43.2	34.5	5.4	20	14.7	188.3	BSPP1/8	50Kpa	SG25F-T432345R5.4
G25F-T500210R3	50.0	21.0	3.0	64	10.3	163.6	M5	50Kpa	SG25F-T500210R3
G25F-T548268R10	54.8	26.8	10.0	/	9.6	160.2	M5	50Kpa	SG25F-T548268R10
G25F-T550270R9.5	55.0	27.0	9.5	/	13.5	159.9	M5	50Kpa	SG25F-T550270R9.5
G25F-T556296R14.8	55.6	29.6	14.8	/	16.3	165.5	M5	50Kpa	SG25F-T556296R14.8
G25F-T564206R4.7	56.4	20.6	4.7	35	10.8	169.6	M5	50Kpa	SG25F-T564206R4.7
G25F-T600340R17	60.0	34.0	17.0	/	15.0	177.1	BSPP1/8	50Kpa	SG25F-T600340R17
G25F-T660360R18	66.0	36.0	18.0	/	17.0	180.7	BSPP1/8	50Kpa	SG25F-T660360R18
G25F-T675366R8	67.5	36.6	8.0	/	15.7	176.9	M5	50Kpa	SG25F-T675366R8
G25F-T790414R20.7	79.0	41.4	20.7	/	14.0	182.1	BSPP1/8	50Kpa	SG25F-T790414R20.7

G25F

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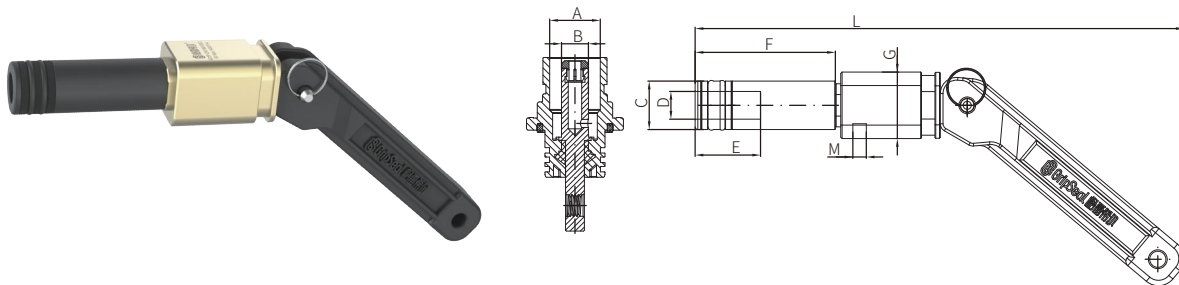
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G25F-DK High-Current Multi-Pin/Hole (Square)

Model	Inner Cavity Length A	Inner Cavity B	Product Inner Cavity Corner Radius C	Dim. D	Dim. E	Dim. L	Fluid Port M	Max. Press.	Main Seal Kit**
G25F-DK496256R9.9	49.6	62.5	9.9	15.3	32.0	205.9	BSP P1/8	50Kpa	SG25F-DK496256R9.9
G25F-DK500310R13.5	50.0	31.0	13.5	15.3	32.0	206.9	BSPP1/8	50Kpa	SG25F-DK500310R13.5
G25F-DK502272R13.6	50.2	22.7	13.6	15.3	32.0	205.9	BSPP1/8	50Kpa	SG25F-DK502272R13.6
G25F-DK512318R14.1	51.2	31.8	14.1	15.3	32.0	206.9	BSPP1/8	50Kpa	SG25F-DK512318R14.1
G25F-DK522332R14.6	52.2	33.2	14.6	15.3	32.0	206.9	BSPP1/8	50Kpa	SG25F-DK522332R14.6
G25F-DK525332R10.5	52.5	33.2	10.5	15.3	32.0	191.1	BSPP1/8	50Kpa	SG25F-DK525332R10.5



G25F-DK-C High-Current Single Pin/Hole (Round)

Model	Dim. A	Dim. B	Dim. C	Dim. D	Dim. E	Dim. F	Dim. G	Dim. L	Fluid Port M	Max. Pressure	Main Seal Kit**
G25F-DK160091C	16.0	9.1	15.4	9.4	24.3	30.8	24.7	183.0	M5	50Kpa	SG25F-DK160091C
G25F-DK164080C	16.4	9.4	15.4	9.4	24.2	52.0	24.7	181.7	M5	50Kpa	SG25F-DK164080C
G25F-DK174080C	17.4	8.0	17.0	10.3	24.3	52.1	24.7	181.7	M5	50Kpa	SG25F-DK174080C
G25F-DK176100C	17.6	10.0	17.0	10.3	24.3	52.1	24.7	181.7	M5	50Kpa	SG25F-DK176100C
G25F-DK188100C	18.8	10.0	18.0	10.3	24.3	52.1	24.7	181.7	M5	50Kpa	SG25F-DK188100C
G25F-DK372326C	37.2	32.6	36.2	28.7	40.0	49.0	32.0	196.0	BSPP1/8	50Kpa	SG25F-DK372326C