



TEST REPORT

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1. Test Item : IP68

1.1 Test model: G214-IP67 、 G214C-IP67 、 G20583C-IP67

2. Test Conditions :

2.1 Ambient Condition

- Temperature range:15 °C to 35 °C.
- Relative humidity:25 % to 90 %.
- Air pressure:860 mbar to 1060 mbar.

2.2 IP6X (In accordance with IEC 60529 13.4 test)

- Dust:Talcum powder.
- The amount of dust:2 kg/m³.
- Maximum depression of 2kPa.(20mbar).
- The duration of the test is 8 hr.

2.3 IPX8 (In accordance with IEC 60529 14.2.7/14.2.8 test)

- The lowest point of enclosures with a height less than 850 mm is located 1000 mm below the surface of the water;
- The highest point of enclosures with a height equal to or greater than 850 mm is located 150 mm below the surface of the water;
- The duration of the test is 60 min;
- The water temperature does not differ from that of the equipment by more than 5 K.

3. Test Result :

IP Code	Results	Acceptance Criteria
IP6X	There is no trace of dust inside.	IEC 60529 13.6
IPX8	There is no trace of water inside.	IEC 60529 14.3

Tested by :

Sam Wei



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Utilized testing equipments 試驗設備列表

	Test Mode 測試項目	Kind of Instrument Precision Class 設備名稱	Manufacturer 製造商	Model Serial No. 型號,序號或其它資訊	Scan Data 下次校驗日期
	IP1X	Test sphere(50mm)球狀試驗棒	ASIA	TSP-01 (7060307)	2020/06/06
	IP2X	Test finger(12.5mm)IEC 關節指	ASIA	TFP-01 (7060308)	2020/06/06
	IP3X	Test rod,2.5mm(D)x100mm(L)試驗棒	ASIA	TRP-01 (7060309)	2020/06/06
	IP4X	Test rod,1mm(D)x100mm(L) 試驗棒	ASIA	TRP-02 (7060310)	2020/06/06
√	IP5~6X	DUST TEST CHAMBER.防塵試驗機	CHTEK	CH-7139-C22 (CH-7139C22-170604)	2020/04/10
	IPX1~2	Drip Box 滴水試驗裝置	CHTEK	CH-2010-S6 (CH-2010S6-170603)	2020/03/24
	IPX3~4	Oscillating Tube 灑水及濺水試驗裝置	CHTEK	CH-2010-S6 (CH-2010S6-170603)	2020/03/24
	IPX5~6	Hose Nozzle 對噴流保護檢測用試驗裝置	CHTEK	CH-2010-S6 (CH-2010S6-170603)	2020/03/24
√	IPX7~8	Metel Water sink 金屬水槽	CHTEK	CH-2010-78 (CH-2010-78-170607)	N/A
√		Temperature recorder 溫度記錄器	GRAPHTEC	GL840 (C60321146)	2020/01/23
√		Tape Measure 捲尺	JK-S	JK-S 8M	2020/11/14
√	IP5~6X	75 μm 圓篩	CHTEK	No.200	2020/04/16
√		Stop watch 碼錶	Casio	403Q25R	2020/08/04
√		Temperature and humidity atmospheric pressure gauge 溫濕度大氣壓力計	KIMO	KPA-320	2020/08/22



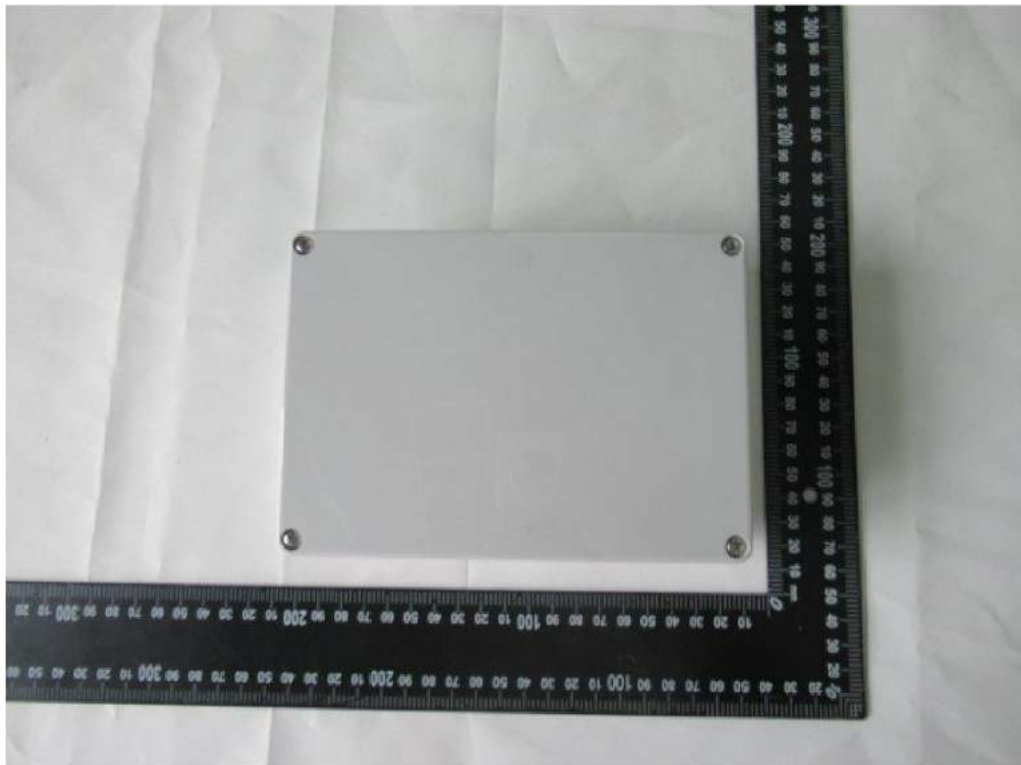
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Face 1(G214-IP67)



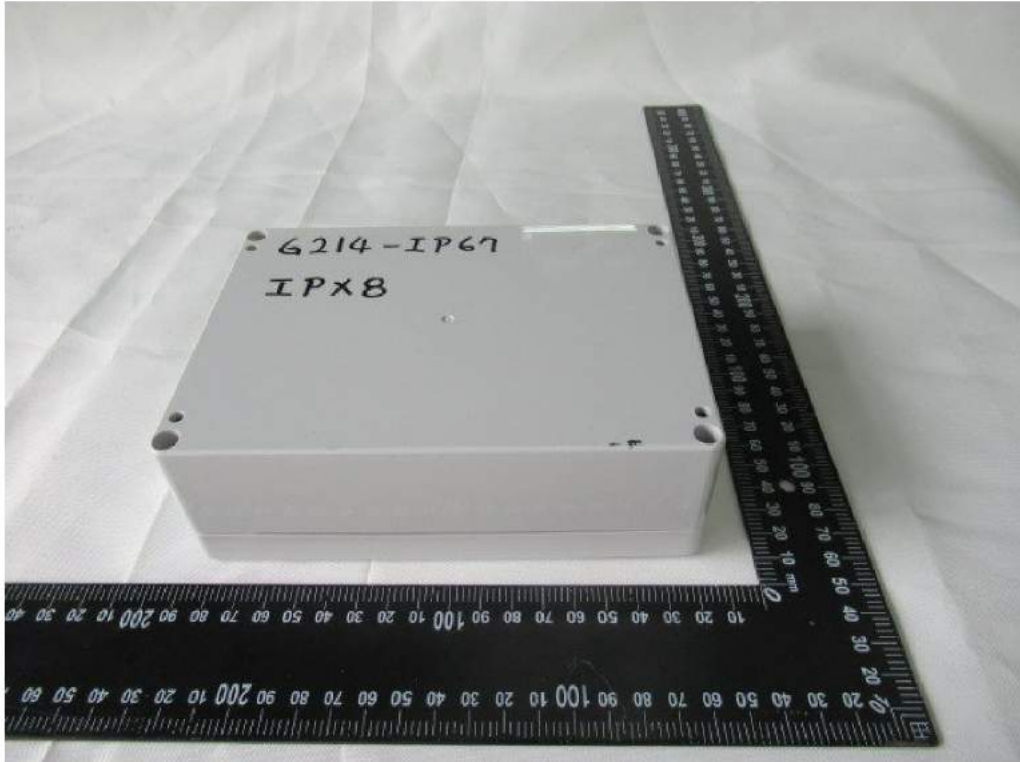
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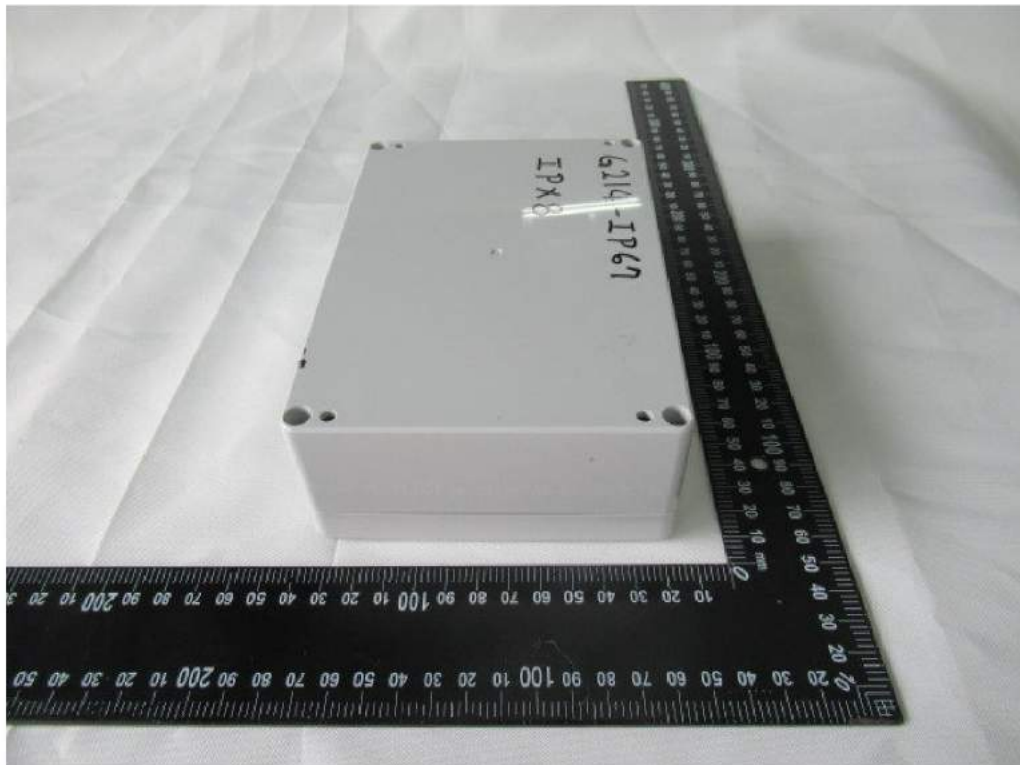
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Face 3(G214-IP67)



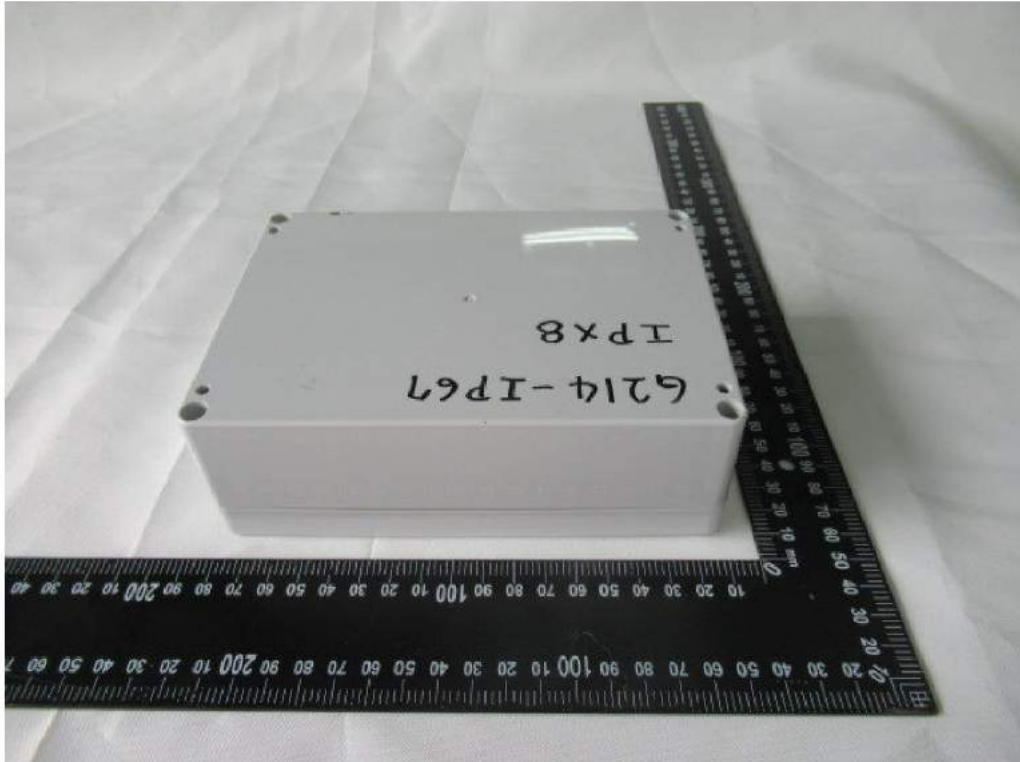
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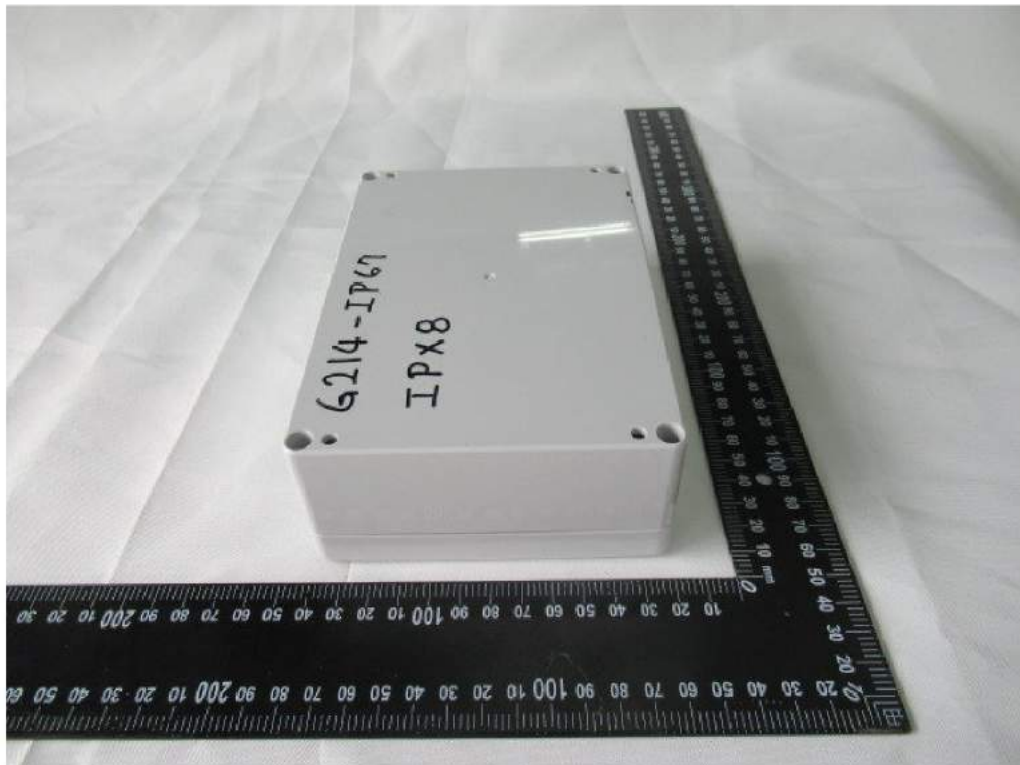
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Face 5(G214-IP67)



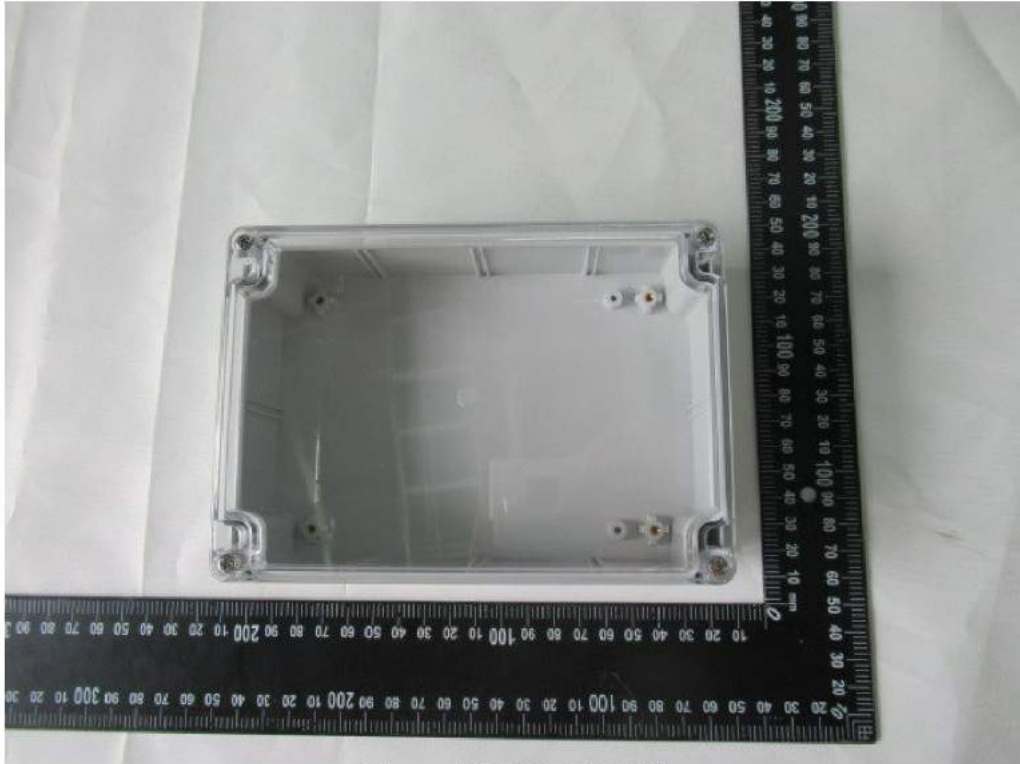
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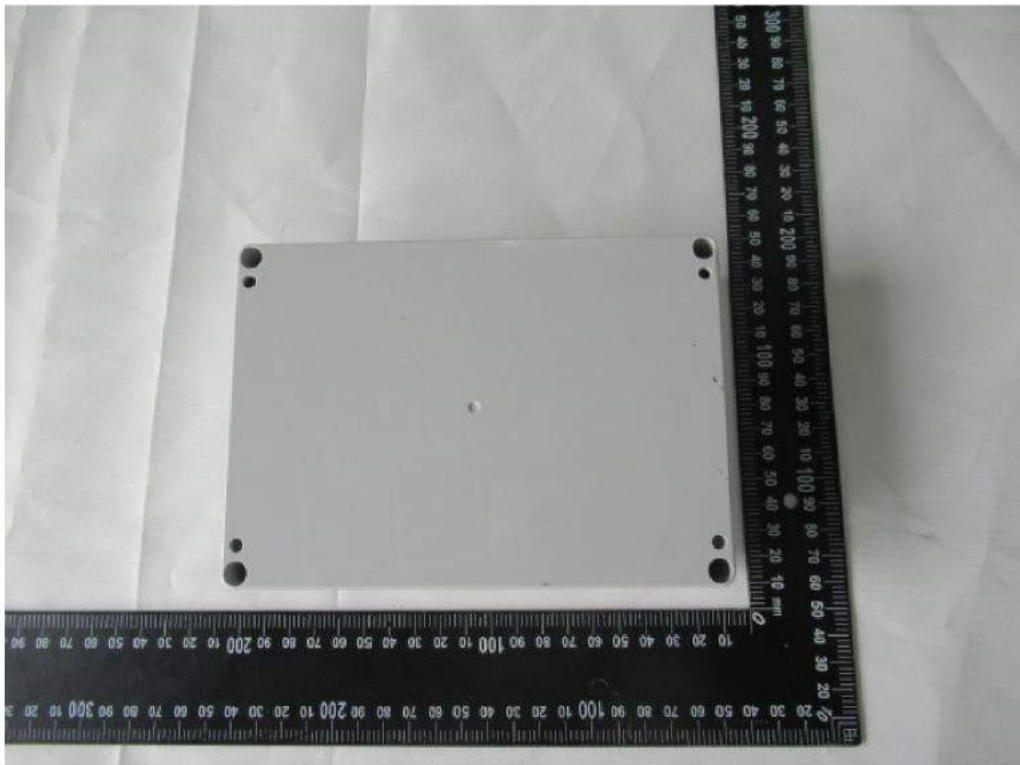
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Face 1(G214C-IP67)



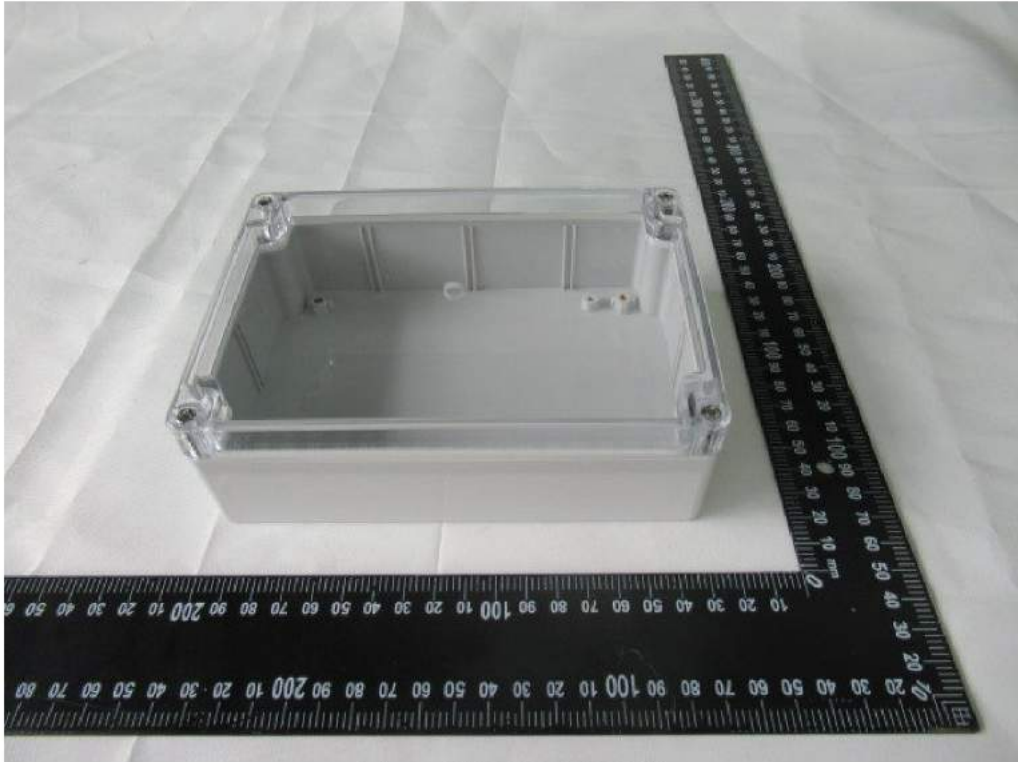
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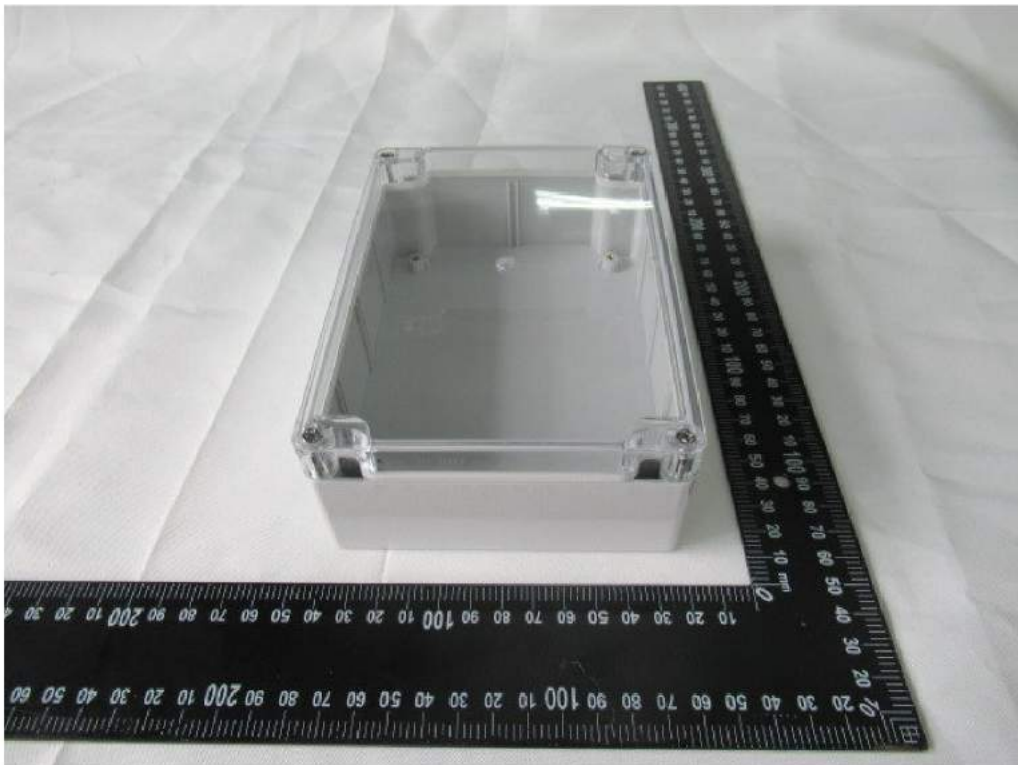
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Face 3(G214C-IP67)



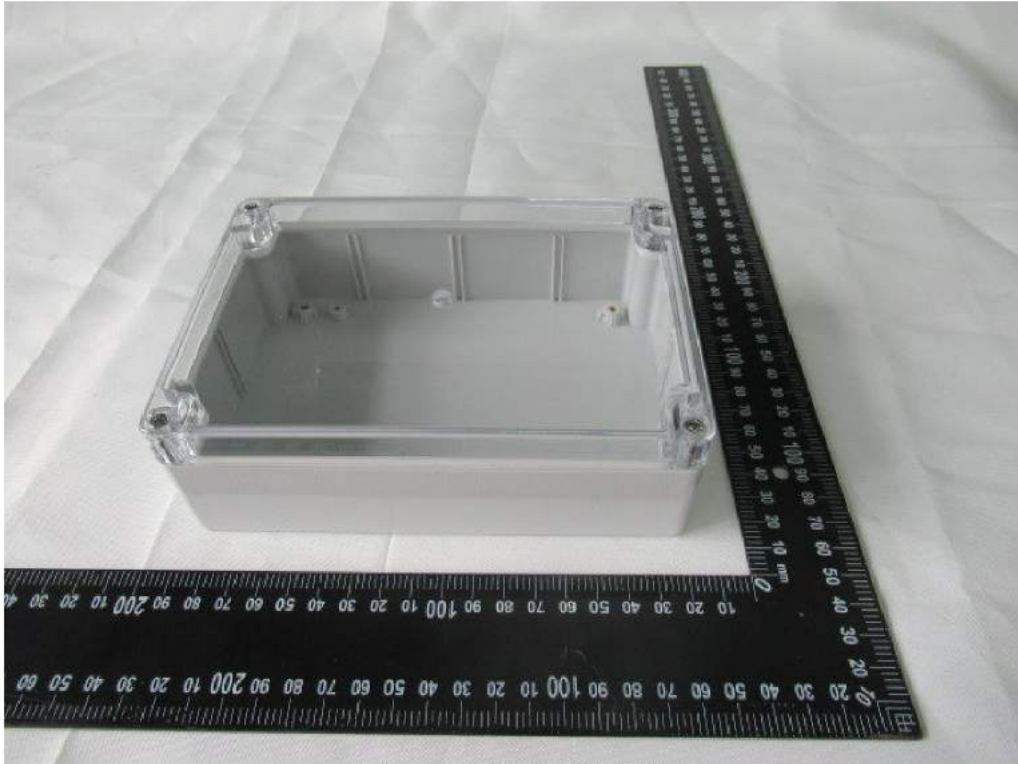
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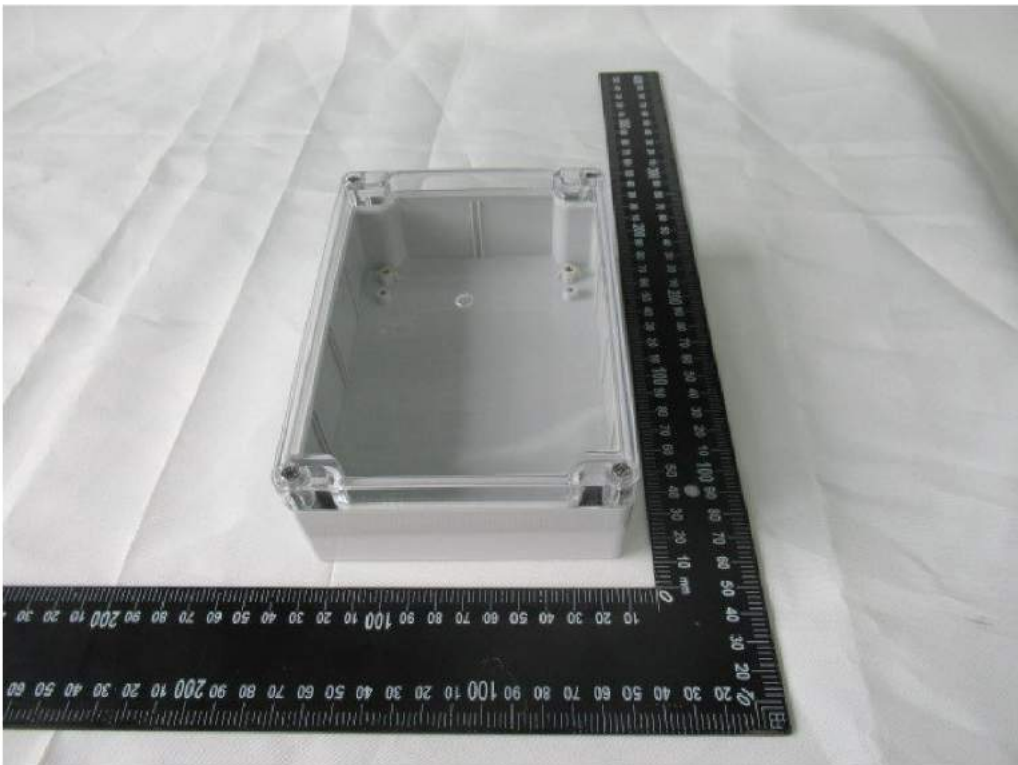
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Face 5(G214C-IP67)



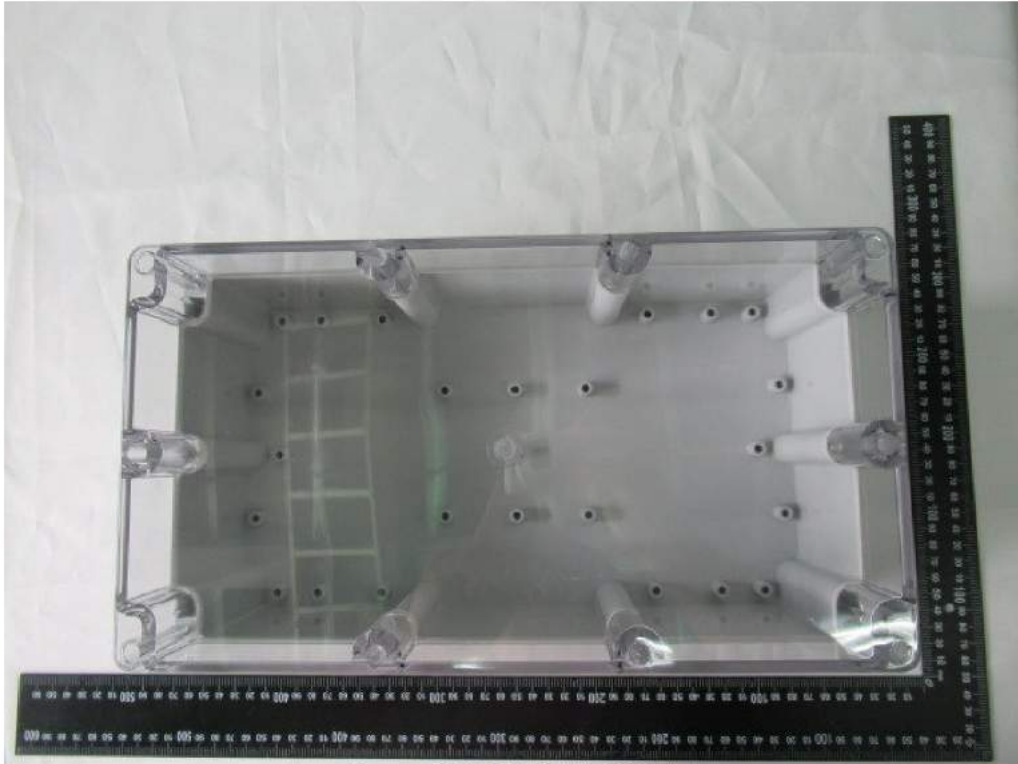
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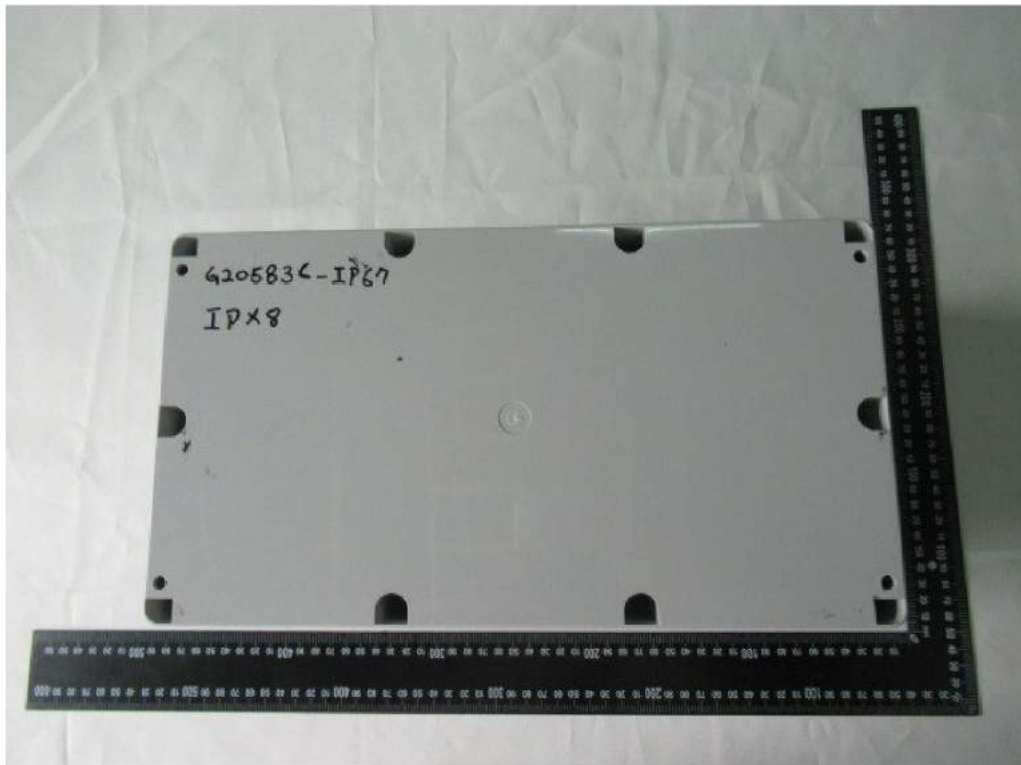
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Face 1(G20583C-IP67)



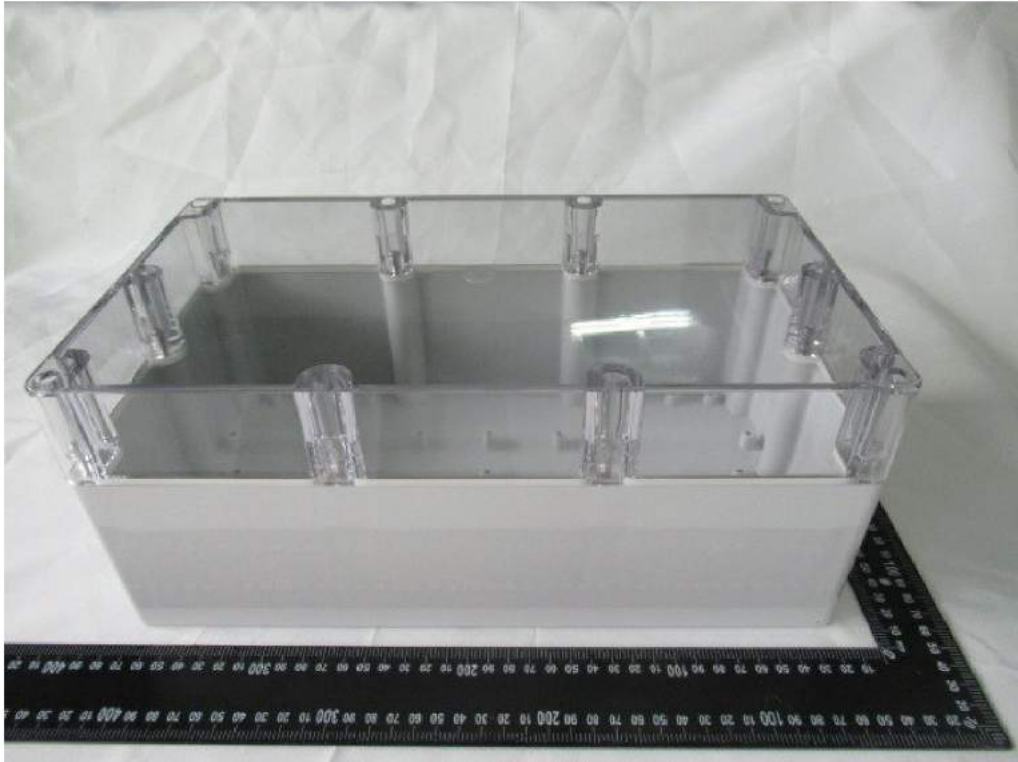
Face 2(G20583C-IP67)



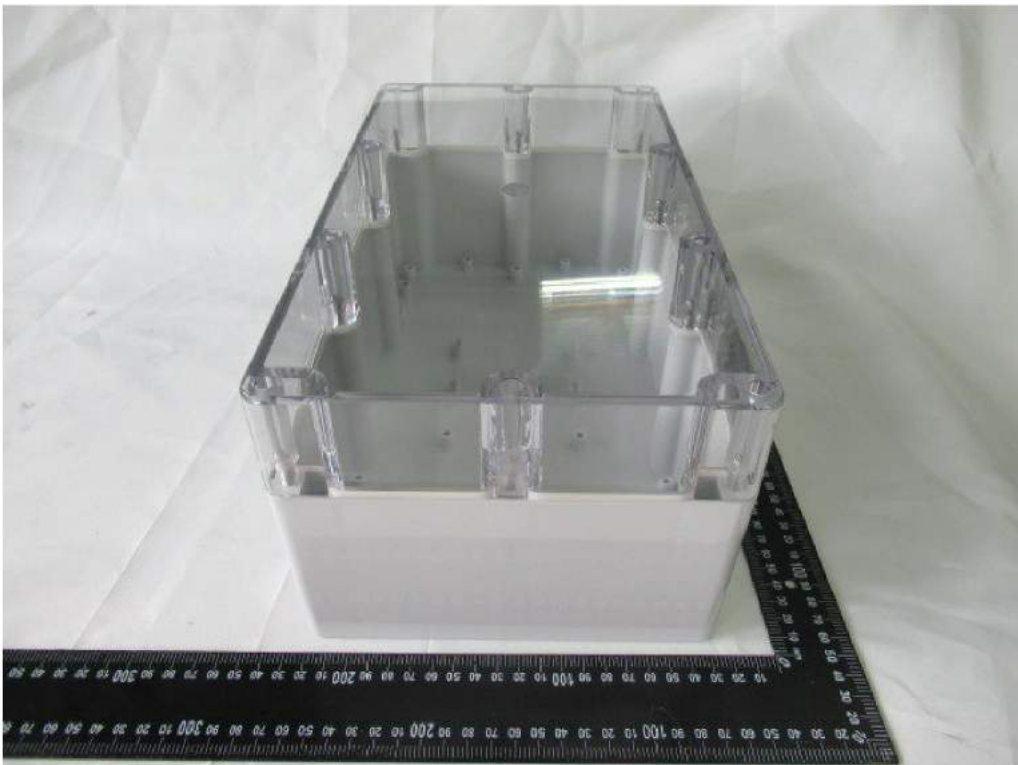
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Face 3(G20583C-IP67)



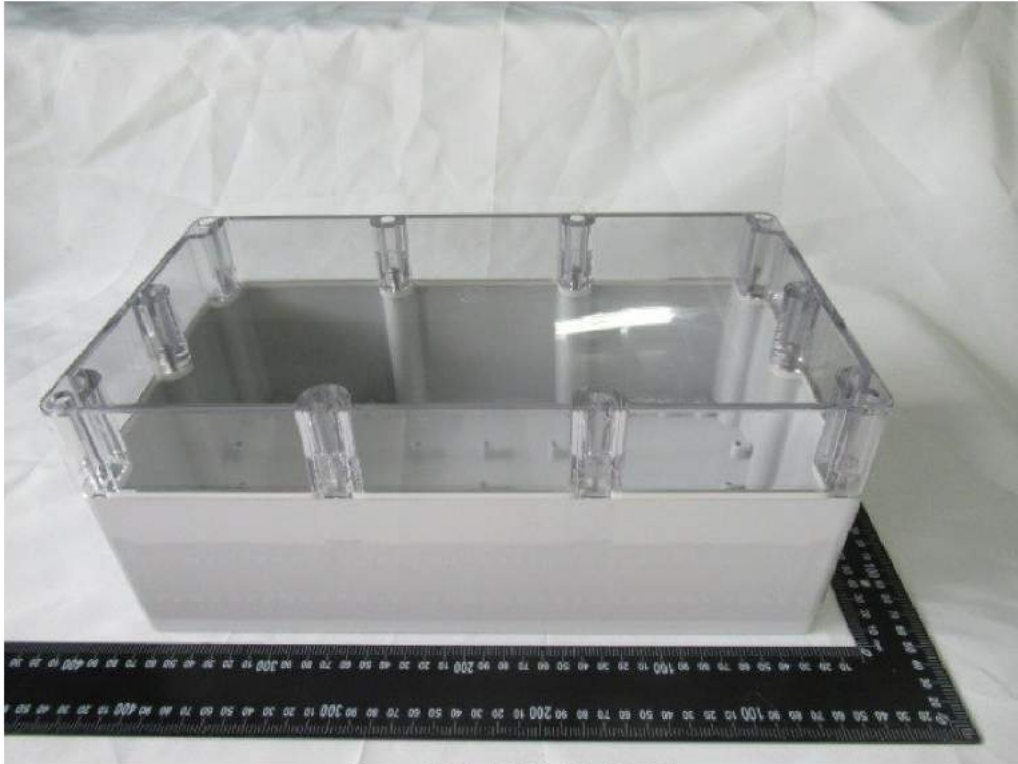
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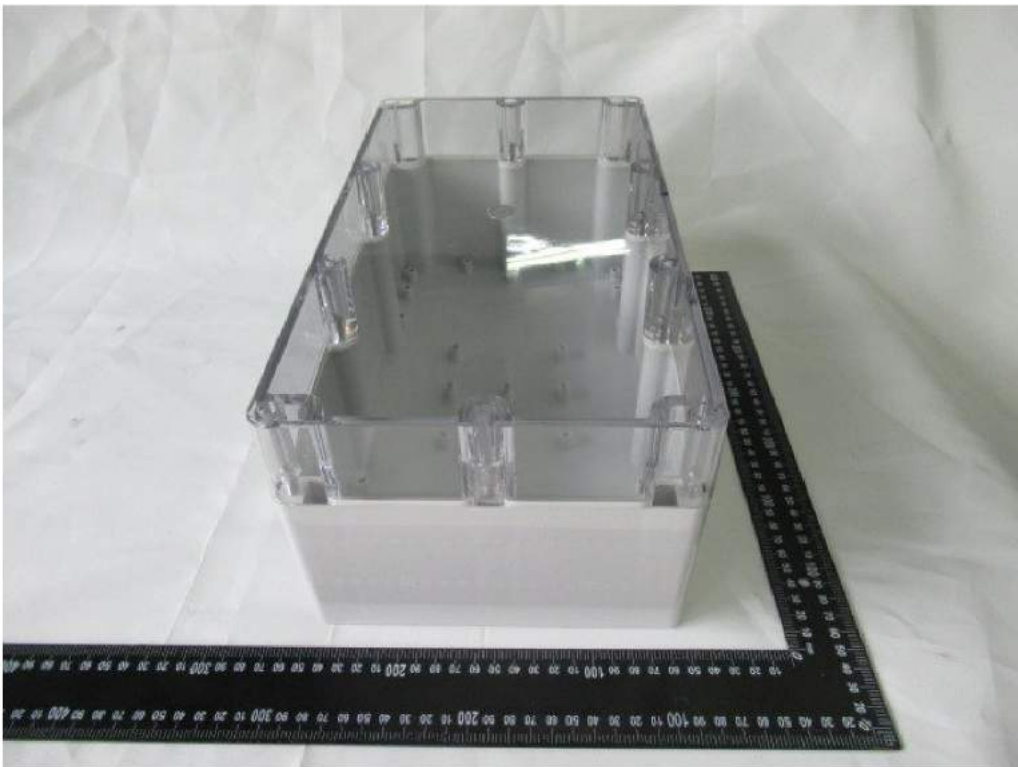
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Face 5(G20583C-IP67)



Face 6(G20583C-IP67)



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IPX8 Test (G214-IP67)



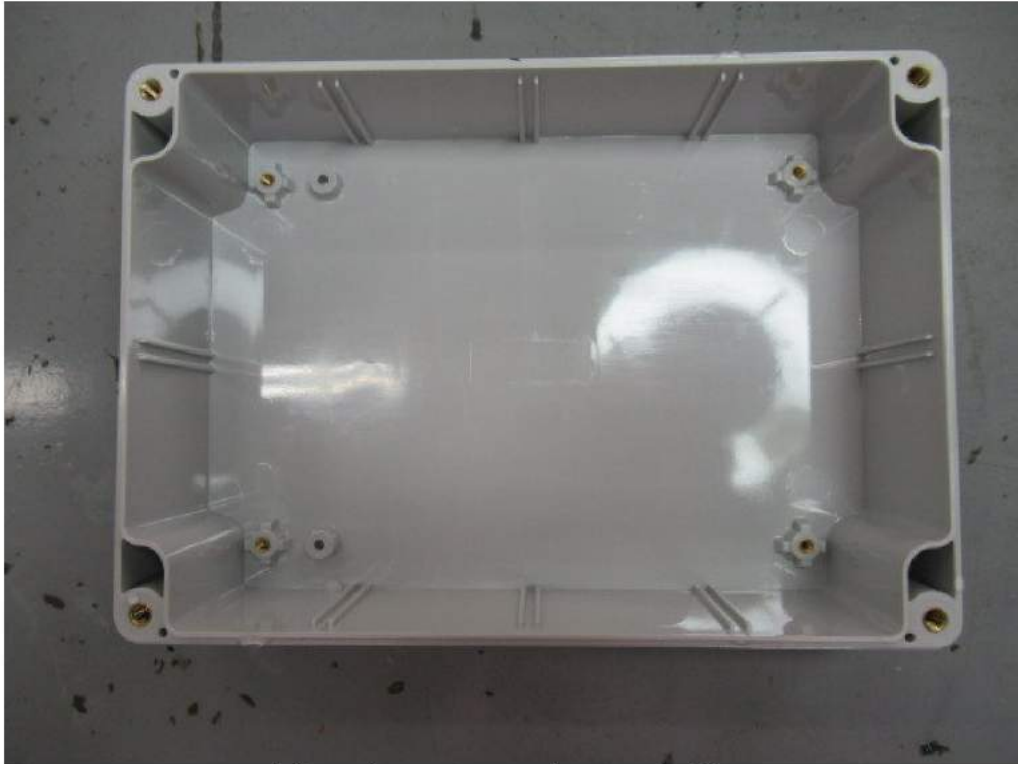
There is no trace of water inside.



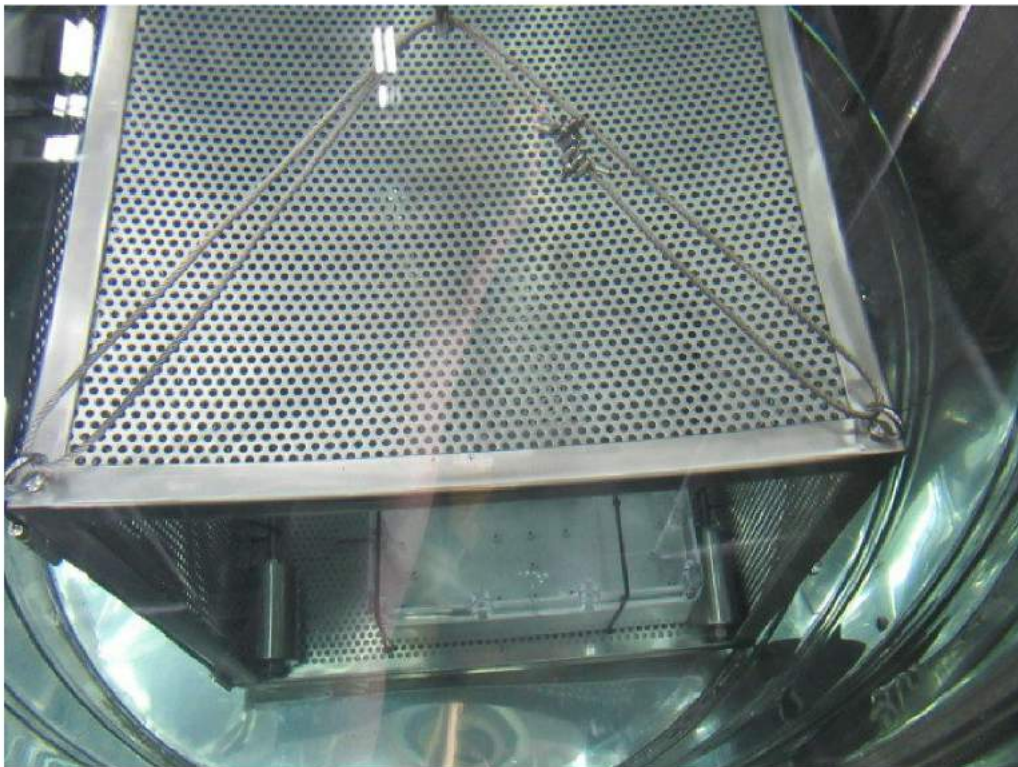
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There is no trace of water inside.



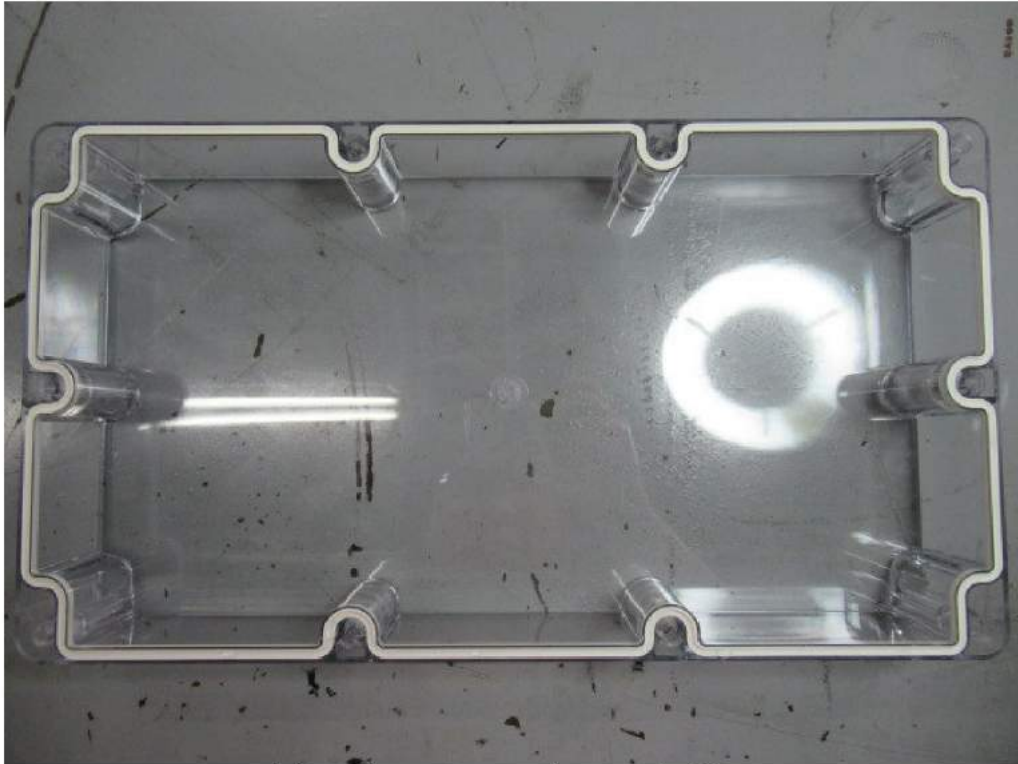
IPX8 Test (G20583C-IP67)



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There is no trace of water inside.



There is no trace of water inside.



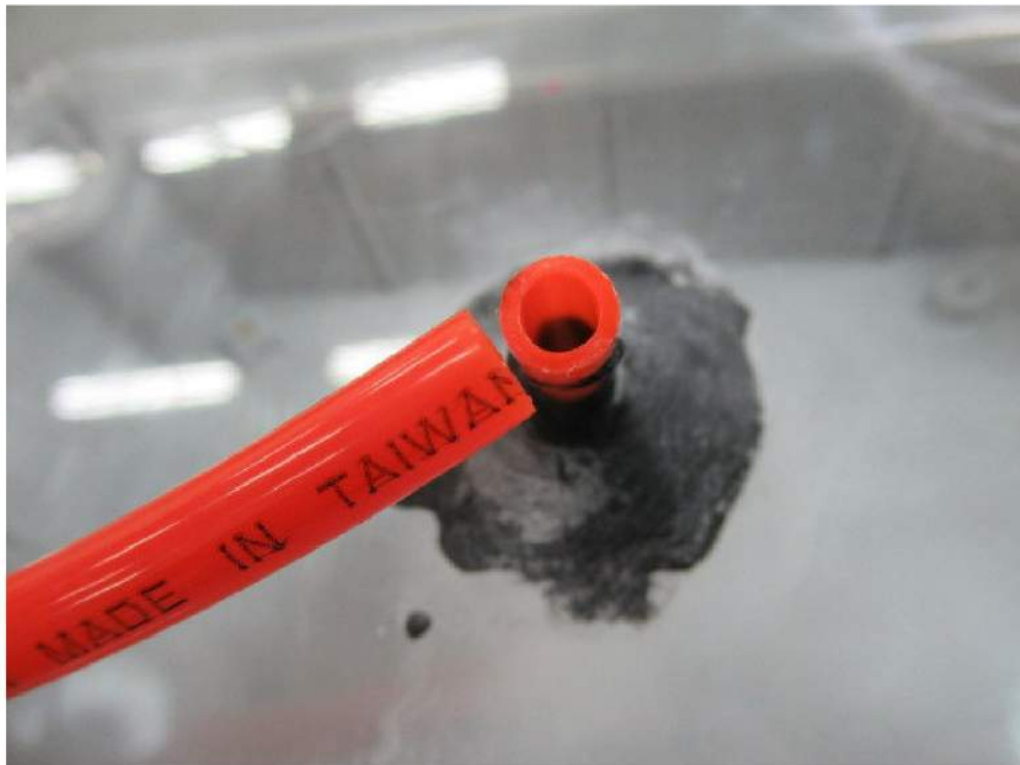
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IP6X Test (G214C-IP67)



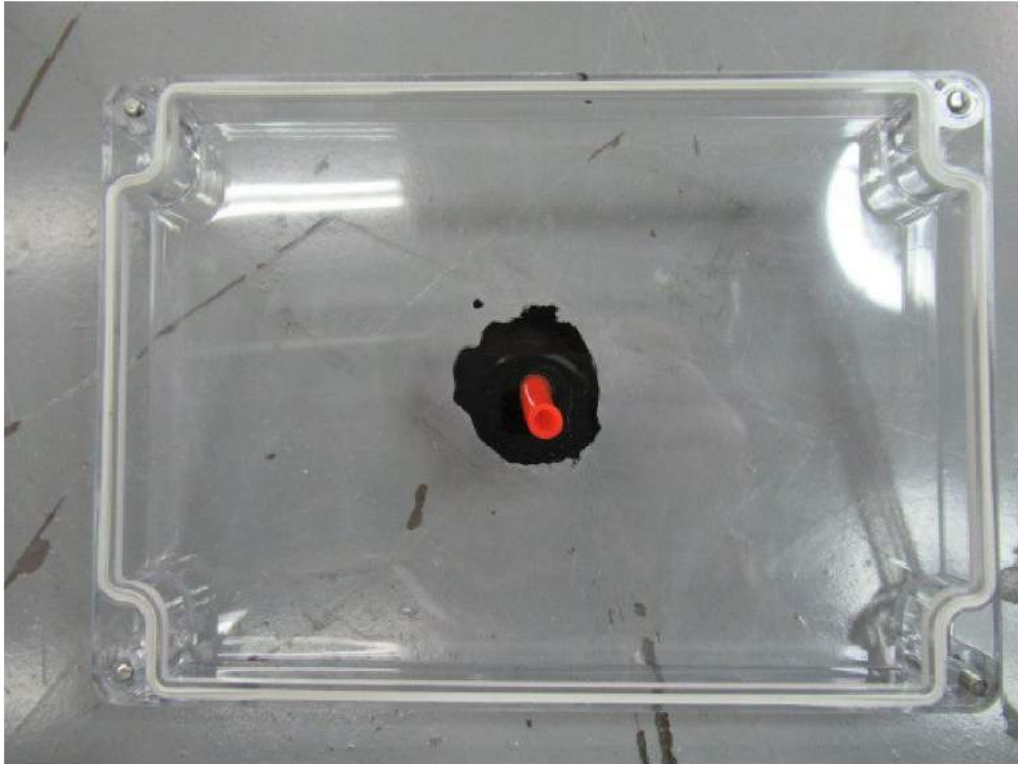
There is no trace of dust inside.



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There is no trace of dust inside.



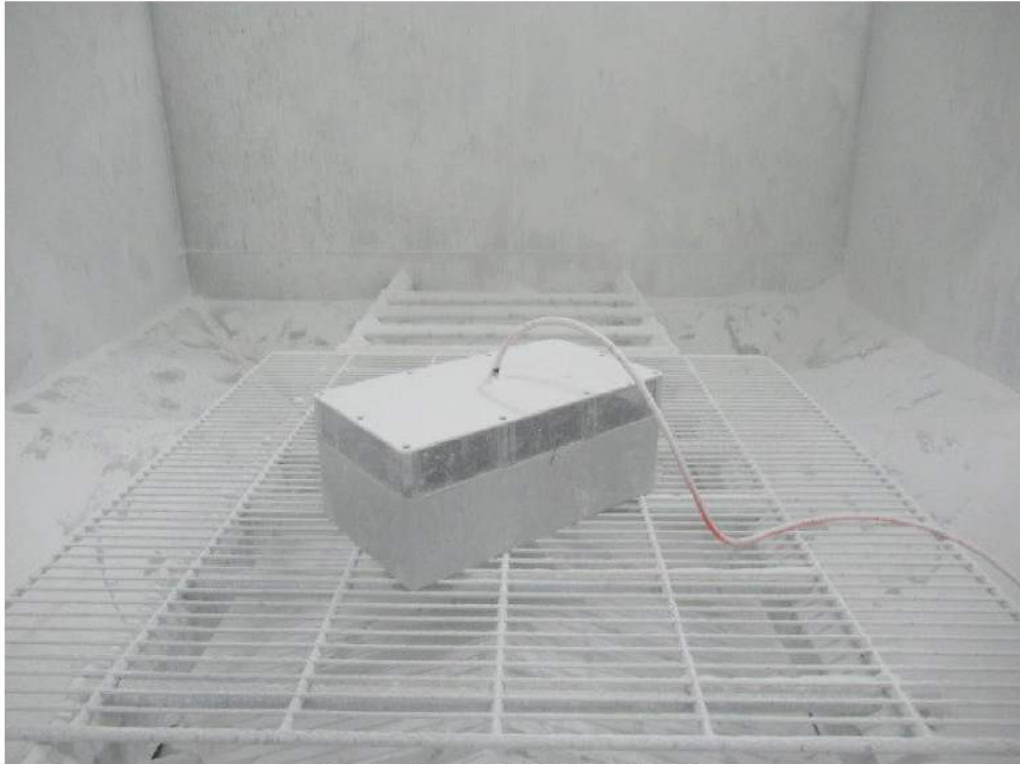
There is no trace of dust inside.



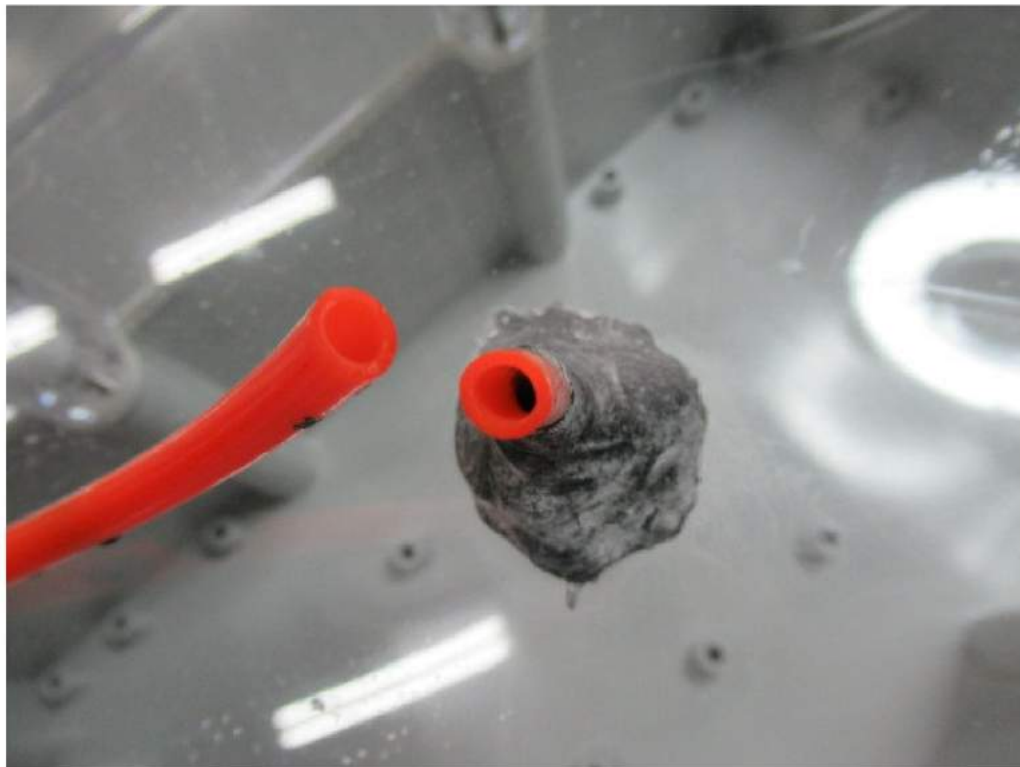
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IP6X Test (G20583C-IP67)



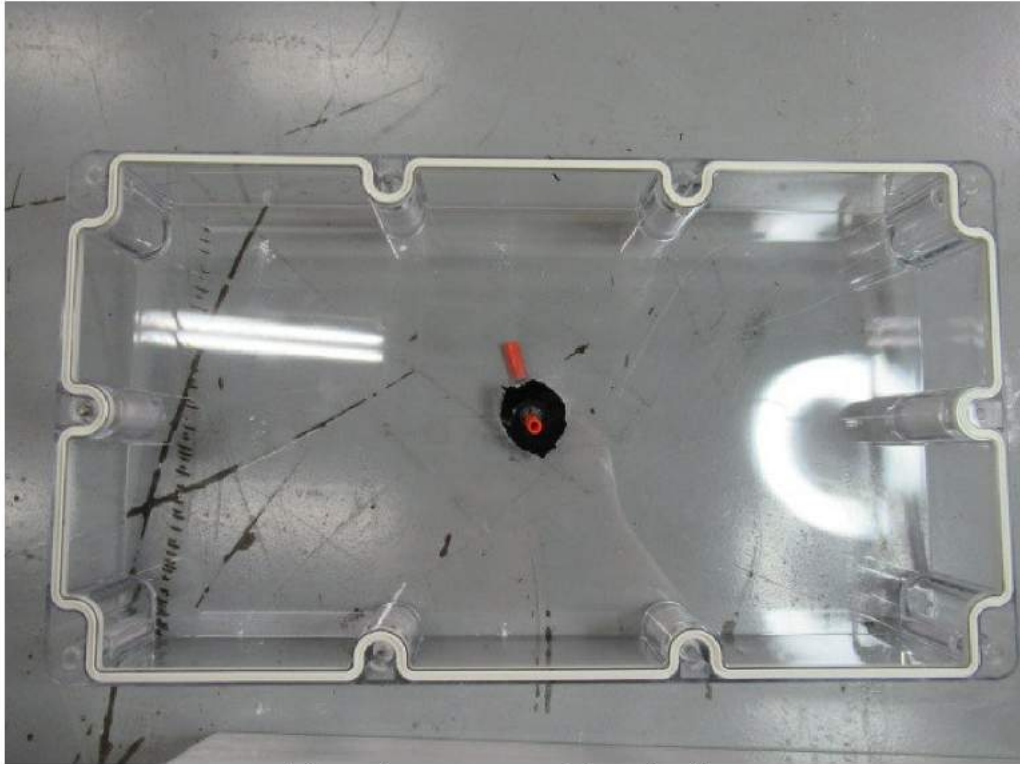
There is no trace of dust inside.



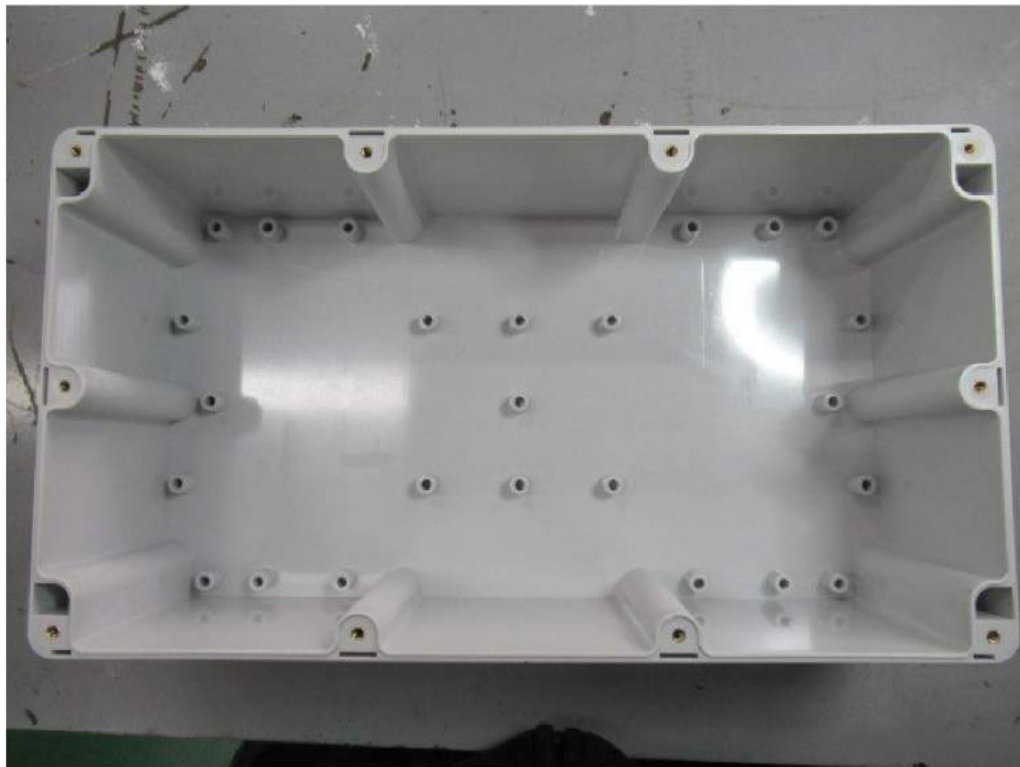
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There is no trace of dust inside.



There is no trace of dust inside.



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Annex A Series difference table

G2XX-IP67 Series				
item	Model no.	Color		External dimensions (mm)
		LID	BASE	
1	G201-IP67	Light Grey	Light Grey	64 x 58 x 35
2	G203-IP67	Light Grey	Light Grey	115 x 65 x 40
3	G205-IP67	Light Grey	Light Grey	115 x 65 x 55
4	G212-IP67	Light Grey	Light Grey	115 x 90 x 55
5	G214-IP67	Light Grey	Light Grey	171 x 121 x 55
6	G218-IP67	Light Grey	Light Grey	222 x 146 x 55
7	G221-IP67	Light Grey	Light Grey	115 x 90 x 80
8	G223-IP67	Light Grey	Light Grey	171 x 121 x 80
9	G229-IP67	Light Grey	Light Grey	195 x 80 x 55
10	G232-IP67	Light Grey	Light Grey	222 x 146 x 75
11	G250-IP67	Light Grey	Light Grey	52 x 50 x 35
12	G256-IP67	Light Grey	Light Grey	82 x 80 x 55
13	G258-IP67	Light Grey	Light Grey	160 x 80 x 55
14	G265-IP67	Light Grey	Light Grey	160 x 80 x 85
15	G278-IP67	Light Grey	Light Grey	120 x 120 x 60
16	G279-IP67	Light Grey	Light Grey	120 x 120 x 90
17	G287-IP67	Light Grey	Light Grey	160 x 160 x 60
18	G288-IP67	Light Grey	Light Grey	160 x 160 x 90
19	G2691-IP67	Light Grey	Light Grey	200 x 120 x 75
20	G2385-IP67	Light Grey	Light Grey	265 x 185 x 95
21	G2018-IP67	Light Grey	Light Grey	240 x 160 x 90
22	G2025-IP67	Light Grey	Light Grey	240 x 160 x 120
23	G20295-IP67	Light Grey	Light Grey	300 x 230 x 86
24	G20385-IP67	Light Grey	Light Grey	300 x 230 x 111
25	G20583-IP67	Light Grey	Light Grey	360 x 200 x 150



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item	Model no.	Color		External dimensions (mm)
		LID	BASE	
1	G201C-IP67	CLEAR	Light Grey	64 x 58 x 35
2	G203C-IP67	CLEAR	Light Grey	115 x 65 x 40
3	G205C-IP67	CLEAR	Light Grey	115 x 65 x 55
4	G212C-IP67	CLEAR	Light Grey	115 x 90 x 55
5	G214C-IP67	CLEAR	Light Grey	171 x 121 x 55
6	G218C-IP67	CLEAR	Light Grey	222 x 146 x 55
7	G221C-IP67	CLEAR	Light Grey	115 x 90 x 80
8	G223C-IP67	CLEAR	Light Grey	171 x 121 x 80
9	G229C-IP67	CLEAR	Light Grey	195 x 80 x 55
10	G232C-IP67	CLEAR	Light Grey	222 x 146 x 75
11	G250C-IP67	CLEAR	Light Grey	52 x 50 x 35
12	G256C-IP67	CLEAR	Light Grey	82 x 80 x 55
13	G258C-IP67	CLEAR	Light Grey	160 x 80 x 55
14	G265C-IP67	CLEAR	Light Grey	160 x 80 x 85
15	G278C-IP67	CLEAR	Light Grey	120 x 120 x 60
16	G279C-IP67	CLEAR	Light Grey	120 x 120 x 90
17	G287C-IP67	CLEAR	Light Grey	160 x 160 x 60
18	G288C-IP67	CLEAR	Light Grey	160 x 160 x 90
19	G2691C-IP67	CLEAR	Light Grey	200 x 120 x 75
20	G2385C-IP67	CLEAR	Light Grey	265 x 185 x 95
21	G2018C-IP67	CLEAR	Light Grey	240 x 160 x 90
22	G2025C-IP67	CLEAR	Light Grey	240 x 160 x 120
23	G20295C-IP67	CLEAR	Light Grey	300 x 230 x 86
24	G20385C-IP67	CLEAR	Light Grey	300 x 230 x 111
25	G20583C-IP67	CLEAR	Light Grey	360 x 200 x 150



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G2XXMF-IP67 Series				
item	Model no.	Color		External dimensions (mm)
		LID	BASE	
1	G200MF-IP67	Light Grey	Light Grey	90 x 35 x 35
2	G201MF-IP67	Light Grey	Light Grey	64 x 58 x 35
3	G203MF-IP67	Light Grey	Light Grey	115 x 65 x 40
4	G205MF-IP67	Light Grey	Light Grey	115 x 65 x 55
5	G212MF-IP67	Light Grey	Light Grey	115 x 90 x 55
6	G214MF-IP67	Light Grey	Light Grey	171 x 121 x 55
7	G218MF-IP67	Light Grey	Light Grey	222 x 146 x 55
8	G221MF-IP67	Light Grey	Light Grey	115 x 90 x 80
9	G223MF-IP67	Light Grey	Light Grey	171 x 121 x 80
10	G232MF-IP67	Light Grey	Light Grey	222 x 146 x 75
11	G250MF-IP67	Light Grey	Light Grey	52 x 50 x 35
12	G256MF-IP67	Light Grey	Light Grey	82 x 80 x 55
13	G258MF-IP67	Light Grey	Light Grey	160 x 80 x 55
14	G265MF-IP67	Light Grey	Light Grey	160 x 80 x 85
15	G278MF-IP67	Light Grey	Light Grey	120 x 120 x 60
16	G279MF-IP67	Light Grey	Light Grey	120 x 120 x 90
17	G2691MF-IP67	Light Grey	Light Grey	200 x 120 x 75
18	G2385MF-IP67	Light Grey	Light Grey	265 x 185 x 95



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item	Model no.	Color		External dimensions (mm)
		LID	BASE	
1	G200CMF-IP67	CLEAR	Light Grey	90 x 35 x 35
2	G201CMF-IP67	CLEAR	Light Grey	64 x 58 x 35
3	G203CMF-IP67	CLEAR	Light Grey	115 x 65 x 40
4	G205CMF-IP67	CLEAR	Light Grey	115 x 65 x 55
5	G212CMF-IP67	CLEAR	Light Grey	115 x 90 x 55
6	G214CMF-IP67	CLEAR	Light Grey	171 x 121 x 55
7	G218CMF-IP67	CLEAR	Light Grey	222 x 146 x 55
8	G221CMF-IP67	CLEAR	Light Grey	115 x 90 x 80
9	G223CMF-IP67	CLEAR	Light Grey	171 x 121 x 80
10	G232CMF-IP67	CLEAR	Light Grey	222 x 146 x 75
11	G250CMF-IP67	CLEAR	Light Grey	52 x 50 x 35
12	G256CMF-IP67	CLEAR	Light Grey	82 x 80 x 55
13	G258CMF-IP67	CLEAR	Light Grey	160 x 80 x 55
14	G265CMF-IP67	CLEAR	Light Grey	160 x 80 x 85
15	G278CMF-IP67	CLEAR	Light Grey	120 x 120 x 60
16	G279CMF-IP67	CLEAR	Light Grey	120 x 120 x 90
17	G2691CMF-IP67	CLEAR	Light Grey	200 x 120 x 75
18	G2385CMF-IP67	CLEAR	Light Grey	265 x 185 x 95