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| Title | CLIP FOR 090111 MLC SLOT TYPE |
|-------|-------------------------------|
|-------|-------------------------------|

1 PART INFORMATION

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5.1 Appearance

5.2 Connector clip, panel engage and retention forces

5.3 Engage/disengage force between HSG and CLIP and stiffness of clip clamped

1. PART INFORMATION

| Part number | Description |
|-------------|-------------------------------|
| 368270-1 | CLIP FOR 090111 MLC SLOT TYPE |

2. SCOPE

This SPEC defines the test method for clip.

3. Quality

The quality of clips has to meet each characteristic at column 3 with items of test in table 1.

4. Requirements

| NO | items | characteristics | Measuring method |
|----|---|--|------------------|
| 1 | Appearance | No harmful crack, rust, burr, damage, deformation, discoloration etc. | 5.1 |
| 2 | Connector clip, Panel engage and retention forces | Engage force: 12kgf or less Retention force: 15kgf or more | 5.2 |
| 3 | Engage/disengage force between HSG and CLIP and stiffness of clip clamped | Engage force: 6kgf or less Disengage force: 11kgf or more Point of departure and damage of clip: 11kgf or more (F1 ~ F5) | 5.3 |

< Table 1 >

5. Requirements Measuring Method

5.1 Appearance

1) By magnification inspector, clip is enlarged by more than 10 times to check for functionally harmful defects such as cracks, rust, burr, damage, deformation, and discoloration.

5.2 Connector clip, Panel engage and retention forces.

1) Panel engage / disengage forces of connector clip

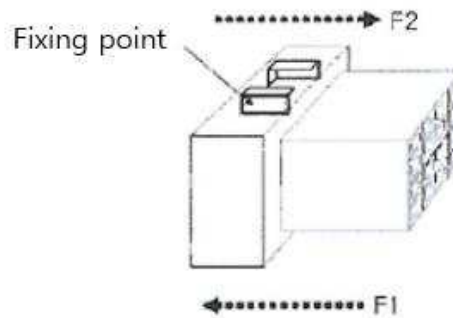
(1) Insert clip into the fixed plate that can be furnished with clip at 50mm/min and measure the force at that time.

(2) Pull clip at 50mm/min and measure the force when destroyed or disengaged.

5.3 Engage/disengage force between HSG and CLIP and stiffness of clip clamped.

1) Engage / disengage force between HSG and Clip

: As Shown in the following figure 1, measure maximum force by engaging (F1 direction) and disengaging (F2 direction) the clip at constant 50mm/min speed

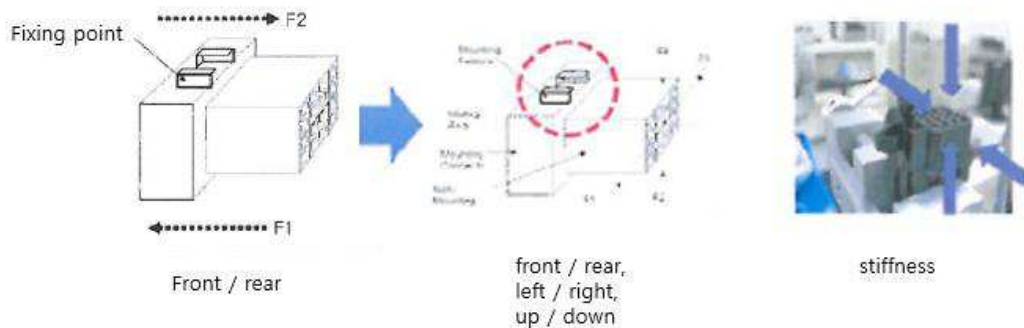


<Figure 1>

2) Stiffness of clip clamped part

: As Shown in the following figure 2, apply force to housing up / down, After fixing connector clip to measuring instrument,

Left / right, and front/rear on the standard of connector clip and measure maximum force causing clip separation and breakdown. (F1/ F2/ F3/ F4/ F5 direction)



<Figure 2>

| Rev | Change | Description | Date |
|-----|--------|------------------|------------|
| A | | Initial Released | 12.APR.'24 |
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