



# Design Specification

GE Power Solutions K.K.  
Power Service Japan

Not subject to ENG approval:

|              |  |
|--------------|--|
| PR No.       |  |
| CSO No.      |  |
| WBS(JOB No.) |  |

|                      |                                |                       |                           |          |               |
|----------------------|--------------------------------|-----------------------|---------------------------|----------|---------------|
| <b>Client</b>        | Kyushu Electric Power Co. Inc. | Ref No. : 1DPS2017006 | Date of Issue : 17-Feb-17 |          |               |
| <b>End User</b>      | Kyushu Electric Power / Karita | Prepared              | Checked                   | Approved | Cross-Checked |
| <b>Delivery Time</b> | To be advised                  | ST                    |                           | ST       |               |
| <b>Item Text</b>     | Solenoid valve, limit switch   |                       |                           |          |               |
| <b>Use for</b>       | Gas turbine GT140P             |                       |                           |          |               |

| Inspection Item   | Inspection Method   | Documentation     | Schedule              | No. of Copies |
|---|---|-------------------|-----------------------|---------------|
| X Visual  | X In-house Inspection   | Quotation         | 3-Mar-17              | 1             |
| X Dimension   | Witness by ALSTOM   | Approval Drawing  | -                     | -             |
| X Function  | Witness by Client   | As-built Drawing  | -                     | -             |
| X Performance   |   | Quality Report    | See below             | 1             |
|   |   | Mill Sheet        | -                     | -             |
| Standard  | <input checked="" type="checkbox"/> Maker St'd <input type="checkbox"/> ALSTOM St'd <input type="checkbox"/> JIS( Edition) <input type="checkbox"/> Client St'd |                   | Users Manual          | -             |
| Paint Spec.   | <input checked="" type="checkbox"/> Maker St'd <input type="checkbox"/> ALSTOM St'd <input type="checkbox"/> Client St'd  |                   | Statement of Delivery | -             |
| Supplier shall contact ALSTOM and discuss the inspection. |   | Inspection report | -                     | -             |
| Warranty  | 2 years   | Delivery note     | At delivery           | 1             |

Customer: KyEPCO Karita PFBC Plant  
System / Equipment: Gas turbine GT140P / S310

**Item**

|                  |                               |               |           |            |                |
|------------------|-------------------------------|---------------|-----------|------------|----------------|
| 1.Solenoid valve | 310V023-V13                   | Qty; 1        |           |            |                |
| → V023-V13       | SOLENOID VALVE                |               | FAGERBERG | LUCIFER    | 341L9534       |
| 2.Solenoid valve | 310V054-V13                   | Qty; 1        |           |            |                |
| → V054-V13       | SOLENOID VALVE                |               | FAGERBERG | LUCIFER    | 341L9534       |
| 3.Solenoid valve | 310V027-V13                   | Qty; 1        |           |            |                |
| → V027-V13       | SOLENOID VALVE                |               | FAGERBERG | RGS        | KEYA 125/18/MO |
| 4. Limitswitch   | 310V027-S11, S12, S13, S21    | Qty; 1 (each) |           |            |                |
| → V027-S11       | LIMIT SWITCH, OPEN POSITION   |               | FAGERBERG | LANDIS&GYR | XGK            |
| → V027-S12       | LIMIT SWITCH, OPEN POSITION   |               | FAGERBERG | LANDIS&GYR | XGK            |
| → V027-S13       | LIMIT SWITCH, OPEN POSITION   |               | FAGERBERG | LANDIS&GYR | XGK            |
| → V027-S21       | LIMIT SWITCH, CLOSED POSITION |               | FAGERBERG | LANDIS&GYR | XGK            |

**Note**

- O-ring and scwer for mounting surface shall be included
- Inspection record shall be submit before shipment.

|                               |  |      |             |       |    |
|-------------------------------|--|------|-------------|-------|----|
| Terms of Delivery             | <input type="checkbox"/> CIF <input type="checkbox"/> FOB <input checked="" type="checkbox"/> Other ( DAP )            | D    |             |       |    |
| Type of Packing               | <input checked="" type="checkbox"/> Maker St'd <input type="checkbox"/> ALSTOM St'd <input type="checkbox"/> Other ( ) | C    |             |       |    |
| Delivery to                   |  | B    |             |       |    |
| Delivery address to be advise |  | A    |             |       |    |
| *In Japan                     |  | 0    | First issue | 02/17 | ST |
| No.                           | Description  | Date | Prep.       | Appr. |    |