



شركة العين للتوزيع

Al Ain Distribution Company

Ref: AADC/PRJ/SSD/

Date: 03/02/2019

285 / 318

To : Gama Engineering.

Subject : LV Switchgear Assembler Approval.

With reference to the above mentioned subject and your letters ref # (PQ-LVS-AADC-GAMA-070119) dated 07/01/2019, and no (PQ-LVS-AADC-GAMA-160119) dated 16/01/2019, please be informed after reviewing and studying the submitted documents & attested copies of ASEFA & UL type test certificates of your products.

We hereby **renew** our previous approvals & **reapprove** you as a manufacturer & assembler for the following rating of the LV. switchgears and Capacitor Banks as per attached conditions:

Table 1: LV Switchgear:

S #	Product Type & Reference	Rating		Certificate	Manufacturer / Country of Origin
		L1/L2/L3 & Neutral Busbars size	PE Busbar size		
1.1	GAMA LV SWITCHBOARD 4000 A	4000A 3x120x10mm	2x100x10mm	ASEFA N 07-42-056-01	Gama Engineering Sharjah / UAE
1.2	GAMA LV SWITCHBOARD 2500 A	2500A 2x100x10mm	1x100x10mm	ASEFA N 06-42-056-01	
1.3	GAMA LV SWITCHBOARD 1600 A	1600A 2x60x10mm	1x60x10mm	ASEFA N 05-42-056-01	
1.4	GAMA LV SWITCHBOARD 800 A	800A 1x50x10mm	1x50x5mm	ASEFA N 04-42-056-01	



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S #	Product Type & Reference	L1/L2/L3 & Neutral Busbars size	PE Busbar size		
1.5	GAMA LV SWITCHBOARD 400 A	400A 1x30x10mm	1x30x5mm	UL TEC-00817	Gama Engineering Sharjah / UAE
1.6	GAMA LV SWITCHBOARD 250 A	250A 1x20x10mm	1x20x5mm	UL TEC-00816	

Table 2: Capacitor Bank:

S #	Product Type & Reference Specific Rating	Main Switch Disconnecter Rating L1/L2/L3/N & PE Busbars size	Capacitor & PF Regulator	Certificate	Assembler
2.1	GAMA APFC 75 kVAR/440V	250 A 1x30x10 mm &1x30x5 mm	EPCOS	UL TEC-00056	Gama Engineering Sharjah / UAE
2.2	GAMA APFC 175 kVAR/440V harmonic type	630 A 2x30x10 mm &1x30x10 mm	EPCOS	UL TEC-00062	
2.3	GAMA APFC 375 kVAR/440V harmonic type	800 A 2x30x10 mm &1x30x10 mm	EPCOS	UL TEC-00063	
2.4	GAMA APFC 450 kVAR/440V harmonic type	1000 A 2x40x10 mm &1x40x10 mm	EPCOS	UL TEC-00061	

1. The above approval does not relieve the Contractors in complying with last edition of RSB wiring regulation and AADC standards that are applied to the LV Switchgears and Panel Boards, including the environmental conditions & prospective fault currents have been specified in this regulation.
2. The products shall comply with the latest recommendations of the relevant standards IEC 61439-1, 2 & IEC 61921.



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3. The phase and neutral busbars must be of the same size for both incoming & outgoing circuits of any switchgear or capacitor bank assembly & must be not less than any above-mentioned values for each certain rating.
4. PE busbar cross section size must not be less than half of the phase busbar cross section size for any switchgear assembly.
5. Rated diversity factor of all outgoing busbars & its protective devices must be not less than (1).
6. All the breakers (both the incoming and outgoing) shall be restricted to the components used in the test (**Schneider Electric**).
7. All Items are approved for indoor environment use only.
8. All capacitor banks components shall be restricted to the same used in the test or to be tested by any of the approved certified authorities.
9. Each of the switching stages of the capacitor bank shall be incorporated with overload protection in accordance with last revision of RSB wiring regulation 2014
10. This approval is subject to all technical & environmental conditions have been specified in electricity wiring regulation 2014 issued by RSB.
11. Certificate of conformity must be submitted for every switchgear assembly.
12. The manufacturer shall submit to AADC the performance reports for installed products for a period of 3 years, any damage or malfunction during this period may lead to the cancellation of AADC approval.
13. The manufacturer shall adhere to all requirement of Abu Dhabi quality and conformity council (QCC) conformity schemes.

Regards,

Eng. Mohammed Sultan Al Maamari
Projects Delivery Division Manager



Cc:

- Services Support Department
- Power Services Section
- File