


# TEST CERTIFICATE

Issued to: YUEQING BARFUSES ELECTRIC CO., LTD.  
No. 15, Yonghe 3 Road, Chengdong Industry Zone, Yueqing, Wenzhou, Zhejiang,  
China

For the product: Low-voltage switchgear and controlgear assembly - Busbar

Trade name: BARFUSES  **BARFUSES**  
BATTLE FOR SAFETY

BFSe

Type/Model: BP1-250

Ratings:  $I_{nA}$  250 A,  $U_e$  380/400 V,  $U_i$  690 V,  $U_{imp}$  4 kV, 50/60 Hz  
 $I_{cw}$  25 kA - 0,2 s, 22,3 kA - 0,25 s, 10 kA - 1 s  
For more details see annex

Manufactured by: YUEQING BARFUSES ELECTRIC CO., LTD.  
No. 15, Yonghe 3 Road, Chengdong Industry Zone, Yueqing, Wenzhou, Zhejiang,  
China

Subject: Clauses 10.4, 10.9, 10.10.2.3.7a), 10.11

Requirements: IEC 61439-2: 2011, EN 61439-2: 2011  
Clauses 10.4, 10.9, 10.10.2.3.7a), 10.11

Remark:  $I_{nA}$  250 A was tested without enclosure (open-type assembly)

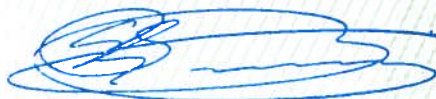
This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in report no. 3309992.02-INC, dated 5 September 2016.

The examination has been carried out on one single specimen of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

Arnhem, 5 September 2016

Number: 3309992.101

DEKRA Certification B.V.



H.L. Schendstok  
Certification Manager

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**Overview of product evaluation according to IEC/EN 61439-2:**

IEC/EN 61439-2 Clause	Clause description	Tested ratings	Results
10.4	Clearances and creepage distances	Clearances > 3 mm, based on $U_{imp} = 4 \text{ kV}$ ; Creepage distances > 10 mm, based on $U_i = 690 \text{ V}$ , pollution degree 3, material group IIIa.	Pass
10.9	Dielectric properties		
10.9.2	Power-frequency withstand voltage	$U_i 690 \text{ V}$	Pass
10.9.3	Impulse withstand voltage	$U_{imp} 4 \text{ kV}$	Pass
10.9.4	Testing of enclosures made of insulating material		Pass
10.10	Verification of temperature rise		
10.10.2.3.7 a)	Verification of the main busbars separately	Main busbar - 250 A (BP1-250 6W) - 250 A (BP1-250 60W)	Pass
10.11	Short-circuit withstand strength	$I_{cw}$ for 3-phase main circuit: 25 kA - 0,2 s 22,3 kA - 0,25 s 10 kA - 1 s	Pass

**Product details:**

	Description
<b>Main busbar</b>	3 phases, copper 20 mm x 3 mm (external terminal) 25 mm x 3 mm (main busbar)
<b>Number of outgoing ways</b>	3-phase, 6 ways to 60 ways