

# TEST CERTIFICATE



Issued to: Polar Switchgear Manufacturing LLC  
PO Box: 3756  
Sharjah, United Arab Emirates

For the product: Low-voltage switchgear and controlgear assembly

Trade name: Polar Switchgear Manufacturing LLC

Type/Model: Polar Power Master 400 A SMDB/MDB/ATS

Ratings:  $I_{nA}$  400 A (50 °C ambient),  $U_e$  415 V,  
 $U_i$  690 V (outgoing units) /  $U_i$  800 V (incoming unit and main busbar),  
 $U_{imp}$  6 kV (outgoing units) /  $U_{imp}$  8 kV (incoming unit and main busbar), IP54,  
IK10 (maximum), Form 2b  
 $I_{cw}$  42 kA - 1 s,  $I_{cw}$  25 kA - 3 s,  
 $I_{cc}$  max, 42 kA at 415 V  
For more details see annex

Manufactured by: Polar Switchgear Manufacturing LLC  
Street 8, PO Box 3756, Industrial Area No.5  
Sharjah, United Arab Emirates

Subject: Design verification

Requirements: IEC 61439-2:2020 edition 3.0  
Clauses 8.101, 10.2, 10.3, 10.4, 10.5, 10.6, 10.7, 10.8, 10.9, 10.10.2.3.5, 10.11,  
10.12

Remarks: Tested for top and bottom incomer – 4 ways to 18 ways.

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in report no. 4600157.02-INC, dated 20 July 2022

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, 20 July 2022

Number: 4600157.101

DEKRA Certification B.V.

F.S. Strikwerda  
Certification Manager

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