



1	SUPPORT INSULATOR NTGA 12B5 (ABB)
2	CONNECTION BAR, COPPER THICKNESS 0.31" [8]
3	HEXAGON SCREW, M12, ACID-PROOF
4	SPRING LOCK WASHER, ACID-PROOF
5	WASHER, ACID-PROOF
6	HEXAGON NUT, SPRING LOCKED, M12 DO NOT TIGHTEN WITH MACHINE. USE GREASE WITH SPRING LOCKED NUTS.
7	UNDRILLED FLANGE, STEEL THICKNESS 0.39" [10]
8	STAR POINT CONNECTION BAR, COPPER
9	DRAIN PLUG

Enerflex Ltd. VENDOR DRAWING/DOCUMENT REVIEW CODES		
1	<input checked="" type="checkbox"/>	Reviewed and accepted with no comment.
2	<input type="checkbox"/>	Reviewed and accepted with comment. Work may proceed subject to incorporation of comments.
3	<input type="checkbox"/>	Revise and resubmit. Work will NOT proceed.
4	<input type="checkbox"/>	Review not required (for information only).

Reviewed only as to general conformity with the design concept and specifications provided. Sole responsibility for correct design, detail and dimensions shall remain with the party submitting the document.

Checked By	Date	Project No.
dwallace	2/14/2019	E104026

CABLE LUGS TO BE USED FOR BOTH AL- AND CU-CONDUCTORS.
MAX. CABLE CROSS SECTION IS 0.46 in² [300 mm²]/ CABLE LUG.
NOTE! MAX CABLE CROSS SECTION 0.46 in² [300 mm²] MAY NOT BE POSSIBLE WITH ALL TYPES OF CABLE LUGS BECAUSE OF NEEDED MINIMUM CLEARANCE.

MAX. 2 PCS OF CABLE LUG / PHASE CAN BE CONNECTED TO MAIN TERMINAL BARS.

NOTE! SIZE AND AMOUNT OF THE CABLE GLANDS SCREWED TO THE CABLE GLAND PLATE ARE USUALLY THE LIMITING FACTORS; NOT THE CONNECTION OF THE SUPPLY CABLES TO THE CONNECTION BARS.

TIGHTENING TORQUE 46 Nm (M10)
TIGHTENING TORQUE 55 Nm (M12, CABLE CONNECTION)

DIMENSIONS INCHES [MILLIMETERS]

CONSTRUCTIONAL CHANGES ONLY WITH THE PERMISSION OF CERTIFICATION BODY.			
NOTE! CABLE GLAND(S) OR CABLE BUSHING(S) FOR SUPPLY CABLE(S) MUST BE Ex CERTIFIED. GLAND(S) OR BUSHING(S) ARE NOT INCLUDED IN MOTOR MANUFACTURER'S DELIVERY.			
CREEPAGE DISTANCE AND CLEARANCE, U _{max} =6.9 kV, I _{max} =600 A	ABB REQUIREMENT	Ex e IEC 60079-7 AND EN 600079-7	
MINIMUM CREEPAGE DISTANCE, MATERIAL GROUP I inches [mm]	6.3" [160]	3.15" [80]	
MINIMUM CLEARANCE inches [mm]	2.36" [60]	2.36" [60]	
Customer Reference 5: 02C 7.4_1750HP,6P,4kV_MSSappvd	Our Reference 2800IY200	Protection/Cooling IP 66	
Prepared 2019-01-29 GRACE ZHAO	Responsible Department	Title MAIN TERMINAL BOX 6906 U _{max} 6.9kV, I _{max} 600A SIZE 45"x36"x41" Ex e, API	Poles Scale 1:10
Reviewed 2019-01-29 LEON HUANG	Original Dwg 3800095A	Language en	Mounting Size A2
Approved 2019-01-29 KENNY KE	Order No.	Weight 350 kg	
Distribution 14	Functional Code AK	Type AMI 500L6W BSFNS	Revision A
ABB ELECTRICAL MACHINES LTD.		Document No. 3GYB3898261	Sheet 1/1

Symbols for roughness according to ISO 1302, 9ADA 431
 General tolerances for linear and angular dimensions and geometrical tolerances: ISO 2768 -mK
 Referential standards 9ADA 422, DIN 7168T.1
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CROSS VOLUME 65295 in³ [1070 dm³]
USABLE VOLUME 63432 in³ [1035 dm³]