



<b>IP TEST REPORT</b>	
Report reference number: MTEX 1082/20.0266	
Date Tested:	17/08/2020
Date Report was issued:	21/08/2020
Standards.....:	SANS 60529:2013 "Degree of protection provided by enclosure (IP Code)."
IP rating obtained after testing:	IP43
Applicant's Company Name .....	POWER PROCESS SYSTEMS
Applicant's reference.....:	COD
Device.....:	Pole Mount Enclosure Polyethylene
Address.....:	P.O. BOX 4172 SOUTHGATE 2082
General remarks: The test results presented in this Test Report relate only to the item or product tested. <ul style="list-style-type: none"> <li>▪ "(see Attachment #)" refers to additional information appended to this document.</li> <li>▪ "(see appended table)" refers to a table appended to this document.</li> <li>▪ Throughout this document, a point "." is used as the decimal separator.</li> </ul> This report/certificate shall not be reproduced except in full.	

Reviewed by + signature (ExTL):	J. Venter	
Approved by + signature (ExCB): (MTEx Laboratories Technical Signatory)	H. de Wet	



## 1. DESCRIPTION OF SAMPLE

The enclosure was manufactured from grey Linear Low-Density Polyethylene (LLDPE) moulded non-metallic material. The door of the enclosure was fitted to the enclosure without any hinges, and slide into the top part of the enclosure to stay in the open position. The enclosure made provision to be locked by means of a hexagon head bolt protruding through the bottom part of the door.

The enclosure had approximate dimensions of 470mm x 370mm x 200mm.



## 2. TEST RESULTS AND SETUP:

### SANS 60529: 2013 Ed.1.2

CLAUSE	TEST	RESULT
13.1 and 13.2	Tests for protection against solid foreign objects first characteristic numeral 4.	
Step 1	The 1mm diameter object probe was pushed against any openings of the enclosure with a force of $1N \pm 10\%$ .	
Step 2	After testing inspection results: The object probe did not enter the enclosure in such a way as to get in contact with any bare live conductors.	

### SANS 60529: 2013 Ed.1.2

CLAUSE	TEST	RESULT
14.2.4.	Tests for protection against water indicated by the second Characteristic numeral 3.	
Step 1	Water pressure on nozzle: 90 kPa Resulting flow: 10l/minute	
Step 2	Test: The test duration is more than 1 min/m <sup>2</sup> of the calculated surface area of the enclosure (excluding any mounting surface), with a minimum duration of 5 min.	
Step 3	After testing inspection results: On completion of the test the sample was inspected, and the ingress of water did not have any harmful effect on the enclosure or electrical equipment installed.	

## 3. CONCLUSION

Sample complied to IP43.

End of Report.