PM8000 Mean Time To Fail Calculations

MTTF of the PowerLogic Meters are calculated based on the published failure rates of each component used on the construction of the associated device, considering its operation under “expected conditions”.

What is defined as "expected conditions" for the meter operation?
Conditions considered for the calculations:

- Meters did not reach end-of-life (typically ten to fifteen years)
- Meters are operated within the specified temperature and humidity range, installed according to the installation instructions, and have not been damaged or abused.

What is considered to be a failure?
Any event that prevents a meter from performing its specified operations, given that the meter meets the installation conditions described above. This includes meters that fail during shipment and during what is frequently referred to as the "early life period" (failures typically resulting from manufacturing defects). It does not include meters that fail as a result of mishandling, nor does it encompass meters that fail beyond end-of-life.

How is MTTF Calculated?
Schneider Electric calculates MTTF for ION meters based on the design of the product, compounding the published information for the failure rate for each component, being standard practice for the industry when calculating MTTF.

The MTTF of the PM8000 is 2,418,471 hours (~ 276 years).

We (Schneider Electric) hope this information is helpful for your needs. If you have any further questions regarding this letter, please don’t hesitate to contact us.

Best Regards,

Jeanine Brown
Power Solutions North America Customer Satisfaction & Quality Manager

Schneider Electric
2195 Keating Cross Road
Saanichton, British Columbia – Canada V8M 2A5
Phone: + 1 (250) 652 7100
Fax: + 1 (250) 652 0411
schneider-electric.com