Elmo Motion Control

www.elmomc.com

Field MTBF of VPF:

VIO+ PIC+FLU+OCA+ ROB+RAV+BUT+CAN

$$\text{Field MTBF} = \frac{\sum \text{Hours in field}}{\text{Number of failures}} = 555{,}613 \text{ hours}$$

Remarks:

- ∑Hours in field: The total operating hours of sold products, excluding the failures.
- Failures are assumed to have 0 operating hours.
- Operating hours: For the purpose of this calculation the assumption is of 200 operating hours in a month (which is a very conservative figure).
- The operating hours are calculated from shipment day minus 300 hours (1.5 month for delivery, installation etc.).
- Environmental Conditions. The figures are accumulated from the whole VPF family and the ExtrIQ (MIL type) history, no matter what is the actual application.
  - Ambient Temperature:
    - High Temperature: From 40C to 85C (average is around 55C).
    - Low Temperature: From -55C to 0C
  - Environmental Factors: The VPF series is applied in almost any known environment starting from G_B (Ground Benign: Non-mobile, Controlled temperature up to M_L ("Severe conditions" …)
- Counting started at 1.9.97
- Last update 1.6.2007