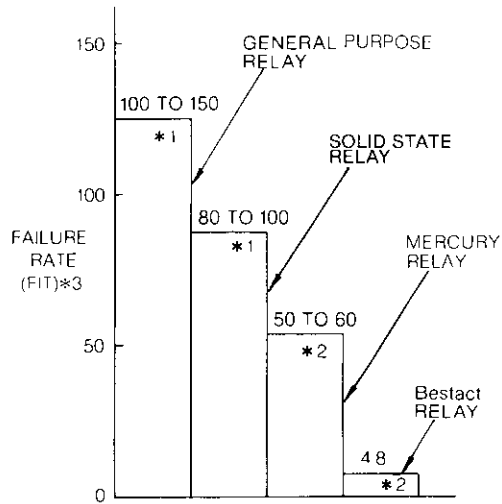


## RELIABILITY AND TYPICAL APPLICATIONS

### Field Failure Rate of Relays



Problems on reliability which have not been solved even by semi-conductor or photo-electric switch can be solved with Bestact.

Note : \* 1 Excerpt from "Reliability Data" issued by public agency.

\* 2 Actual results of field failure rate

\* 3. When no. of failures is zero apply following formula

$$\lambda_{90} = \frac{\text{No. of failures} \times \text{Constant}^{**}}{\text{No. of tested contacts} \times \text{tested hour (H)} \times 10^{-9}} \text{ [FIT]}$$

\*\* Applying JIS (Japanese Industrial Standard)  
60% reliability level, 0.917 for zero failure

### Typical Applications

- Industrial automatic control systems
- Computer and peripheral devices
- Transportation equipment and devices
- Waterworks and sewage equipment
- Electric power equipment, nuclear power facilities, extra-high voltage electric power facilities
- Shinkansen railway application
- Elevators
- Continuous casting machines
- Marine development application
- Various limit switches
- Thermal switches
- Cylinder position detection switches
- Low-level command and control switches
- Overcurrent and overvoltage detection switches
- Motor vehicle electrical instruments