

## MTTF Certificate

For the electronic products provided by our company, the MTTF values are listed below:

**1. Reference standard:**

We calculate the MTTF value of our electronic products using the special software and the parts count process according ISO 13849-1 appendix C.5 ( ISO13849-1 )

**2. Calculation formulas:**

Calculation formulas	
$MTTF = \frac{1}{\sum_{i=1}^n \frac{1}{MTTF_n}}$	$MTTF_D = MTTF \cdot 2$

**3. Calculation results:**

Part Number	Product category	MTTF	MTTFd
FCDN-16UP-M12	electronic products	55 years	110 years

**Company name:**

Tianjin Elco Automation Co., Ltd

**Company address:**

No.12, 4th XEDA Branch Road  
 Xiqing Economic-Technological Development  
 Area Tianjin 300385, P. R. China

**Website:**

<https://www.elcoautomation.com> (English)  
<http://www.elco-holding.com.cn> (Chinese)