

<b>Manufacturer</b>	JAQUET AG Thannerstrasse 15 4009 Basel Switzerland
<b>Product(s)</b>	FT 3000 <ul style="list-style-type: none"> <li>• FTFU 3024</li> <li>• FTV 3090</li> <li>• FTBU 3034</li> </ul>
<b>Intended application</b>	3 – channel speed control and overspeed protection
<b>Basis of testing</b>	IEC 61508-1-4:1998
<b>Report</b>	The test report JB64501A by TÜV SÜD
<b>Functional Safety Data</b>	
Type	B
Hardware	Fault Fraction 1
Dangerous Diagnostic Coverage	93.9%
Safe failure fraction	95%
PFHg	2.209 10e-8
Fit for use in Safety Integrity Level	3

### FMEAC FT3000 + FTFU 3024

	Fit	Years
MTBF Channel	4976.42	22.94 = MTBF of the channel including non safety function (FTFU + sensor)
MTBF (PFGHg)	-	5167 = means 1 dangerous failure every 5167 years

### FMEAC FT3000 + FTFU 3024 + FTV3090

	Fit	Years
MTBF Channel	6622.07	17.24 = MTBF of the channel including non safety function (hole module including sensor)
MTBF (PFGHg)	-	5052 = means 1 dangerous failure every 5052 years

### FMEAC FT3000 + FTFU 3024 + FTBU 3024

	Fit	Years
MTBF Channel	6128.27	18.63 = MTBF of the channel including non safety function (hole module including sensor)
MTBF (PFGHg)	-	4237 = means 1 dangerous failure every 4237 years

2007-01-29 Dr. Oliver Blauenstein