

## Errata


Listed below are corrections and addition for the FP605 Technical Manual.  
Please replace the applicable parts in the manual with the following information.

### Applicable Documentation

Manual No.	Page	Chapter	Product
SIEPC7106171FC	247	5.6	FP605

### Correction

Replace the technical manual description in **5.6 Safety Disable Input** as shown in following table.

Current		After update
The TUV mark indicates compliance with safety standards.	⇒	None
 Figure TUV mark	⇒	None

Replace Table 5.16 in **5.6 Safe Disable Input** as shown in following table.

**Table Safety Standards and Applicable Harmonized Standards**

Safety Stadards	Applicable Harmonized Standards
Functional Safety	IEC/EN 61508-1,2(SIL3) IEC/EN62061(SILCL3) IEC/EN 61800-5-2(SIL3)
Safety of Machinery	ISO/EN ISO 13849-1:2015 (Cat.3, PL e)
EMC	IEC/EN 61000-6-7 IEC/EN 61326-3-1
LVD	IEC/EN 61800-5-1

Replace **Table 5.15** in **5.6 Safe Disable Input** as shown in following table.

Item	Description
Input/Output	<ul style="list-style-type: none"> <li>Input: 2 Safe Disable input (H1, H2) Signal ON level: 18 Vdc to 28 Vdc Signal OFF level: -4 Vdc to +4 Vdc</li> <li>Output: 1 MFDO safety monitor output for external device monitor (EDM)</li> </ul>
Response time from when the input opens to when the drive output stops	3 ms or less
Response time from when the H1 and H2 terminal inputs open to when the EDM	20 ms or less
Mission time*	10 years
Failure probability	20 years
Less frequent operation request mode	PFD = 9.28E-6
Frequent operation request mode or continuous mode	PFD = 1.84E-5
Performance level	PFH = 1.19E-9
HFT (hardware fault tolerance)	PFH = 1.19E-9
Type of subsystem	e
MTTFD	N=1
DCavg	Type B
	High(2410years)
	Medium(91.24%)

Note:

EDM = External Device Monitoring

PFD = Probability of Failure on Demand

PFH = Probability of Dangerous Failure per Hour

\*Parameter used for the statistical calculation required by functional safety standards and this is not linked to the warranty / guarantee period.

Add following description in **Validating the Safe Disable Function**.

\* This validation should be performed at least once every three months in guarantee the specification values of the safety parameters.

Add it to **Notes** as shown in the table below.

Current		After update
None	⇒	Note: Safe Disable input wiring should not exceed 30m.