YASKAWA

Errata

Listed below are corrections and addition for the GA700/CH700/CR700/GA800 Technical Manual.
Please replace the applicable parts in the manual with the following information.

Applicable Documentation

Manual No.	Page	Chapter	Product
SIEPC71061705H	268	5.6	GA700
SIEPC71061720B	295	4.6	CH700
SIEPC71061721B	297	4.6	CR700
SIEPC71061737D	302	5.6	GA800

Correction

Replace the techinical manual description in **4.6 or 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 4.23 or 5.26 in **4.6 or 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/EN IEC62061(SIL3)
	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
LVD	IEC/EN 61800-5-1

Replace **Table 4.24 or 5.23 or 5.29** in **4.6 or 5.6 Safe Disable Input** as shown in following table.

Item		Description	
Input/Output		• Input: 2 Safe Disable input (H1, H2) Signal ON level: 18 Vdc to 28 Vdc Signal OFF level: -4 Vdc to +4 Vdc • Output: 1 MFDO safety monitor output for external device monitor (EDM)	
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	20 years
Failure probability	PFD	9.00E-06	1.79E-05
	PFH	1.07E-09	1.07E-09
Performance level		e	
HFT (hardware fault tolerance)		N=1	
Type of subsystem		Type B	
MTTFD		High(2681years)	
DCavg		Medium(90.53%)	

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 to 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.