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Annex 1
of the
Report to the Certificate
Z10 084596 0002
M6A 084596 0003
Drive System
PLATINIUM LINE

Manufacturer:

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Israel

Report No.: EP95466C-A1
Revision 1.0 of the annex, dated 2020-08-07

Testing Body:

TÜV SÜD Rail GmbH
Generic Safety Systems
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Certification Body:

TÜV SÜD Product Service GmbH
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Revision Log

Revision	Name	Date	Changes/History
1.0	K. Leupold	2020-08-07	Initial

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Safety-Certified Hardware and Software Components

The following PLATINIUM LINE system components are covered by Certificate no. Z10 084596 001, M6A and the report to the certificate, report no. EP95466C.

The following system components are certified 'safety-related'. This allows the components to be used to process safety critical signals and functions.

There are different safety functions available, which are listed in the following table:

Abbreviation	Description of Safety Function
STO	Safe Torque Off
SS1	Safe Stop 1
SS2	Safe Stop 2
SBC	Safe Brake Control
SOS	Safe Operating Stop
SLS	Safe Limited Speed
SLP	Safe Limited Position
SLT	Safe Limited Torque

1 Software

item	Safety-Firmware-Version
Safety version	02.00.02.00 B00
STO software version	01.00.00.00 B21
Primary CPLD Version	x19.2
Secondary CPLD Version	x19.2
Voltage Monitor Version	01.00.01.00 B02



2 Hardware

2.1 Products up to 200V

2.1.1 Platinum TWI Family

Hardware	Version
CON-PTWI	d
LGC-PTWI	d
DRV_PTWI	b
SIB-PTWI-SAFEIO	c

Platinum TWI/BEE Generic Part Number

PAAA-zz-zXXX/YYYzzz-z

Family Name PAAA:
Platinum Twitter – PTWI
Platinum Bee - PBEE

Mounting Version:
M – Pinned Board Level Module
W – SOLO: Wires Power Connection
V – SOLO: Vertically Power Connector for drives of current <10A
H – SOLO: Horizontal Power Connector for drives of current <25A

Safety Capability :

F – Functional Safety with Safe IO Model
S – Functional Safety without Safe IO
T – STO only

Rated Voltage

Rated Continuous Current

Rated Current Mode:
Blank – STD Ic/ Ip
R – Continuous Operation for Ti≤85C

External Heatsink:
H – Assembled on external Heatsink
Blank – No external Heatsink

IO Style for Non-SafeIO:

U – 5V Logic
V – PLC SRC (High Side) and SINK (Low Side)

IO Style for Safe IO:

B – VDD=48V, Outputs 7,8

Encoder Port B options:

E – Encoder, Absolute, Incremental, Digital Halls, Analog Halls, Analog Encoder (SIN/COS)
R – Resolver

Network:

E – EtherCAT or Ethernet
USB
S – CAN (not available at this time)
USB
RS-232
T – CAN (not available at this time) + Differential RS-232 (RS-422)
USB
Differential RS-232 (RS-422)



Current/Voltage Modules

XXX/YYYY	30/60	1/100	3/100	6/100	10/100	15/100	25/100
	3/200	6/200	10/200	50/100	R50/60	R80/80	R50/100
	R70/100	R45/150	R15/200	R45/150			

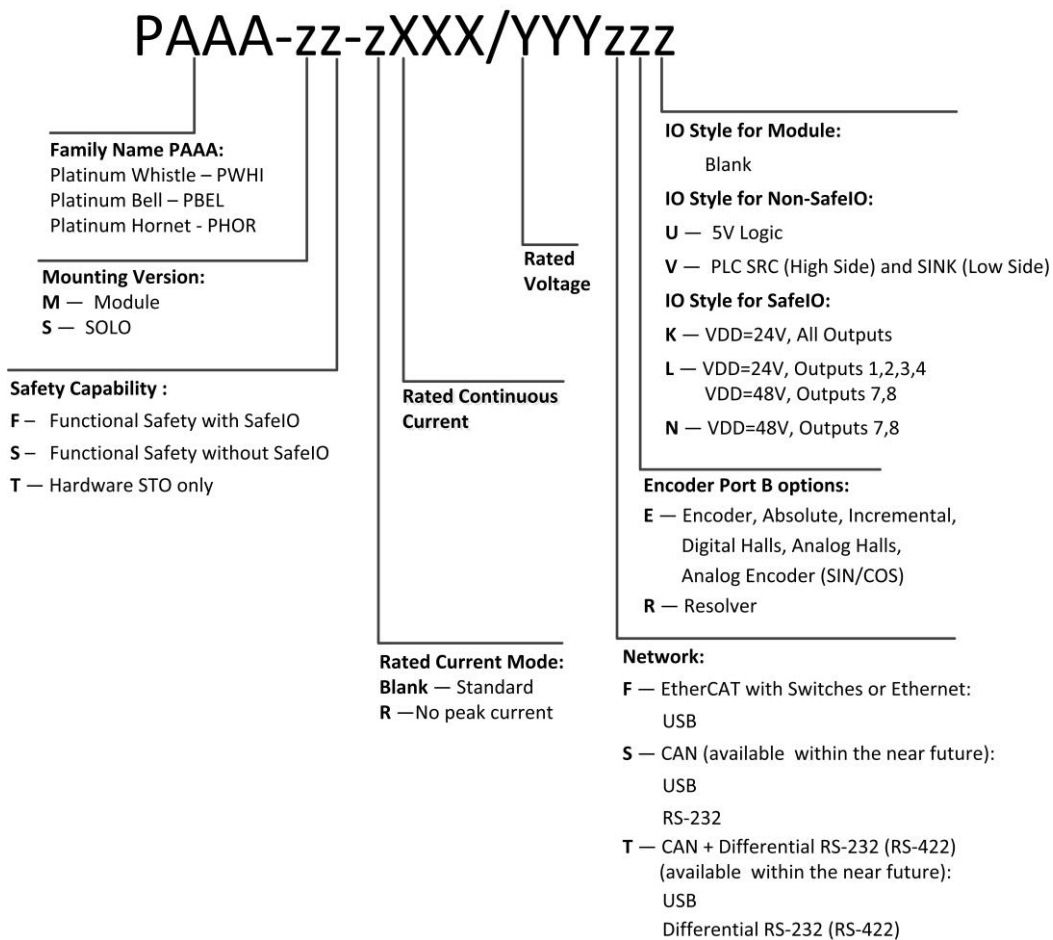
Model Name	Model Part Number
Platinum Twitter	PTWI-MT-zXX/YYYYzzz PTWI-MS-zXX/YYYYzzz The integration board must be designed and approved according to the safety standards IEC61800-5-2
Platinum Bee	PBEE-MT-zXX/YYYYzzz PBEE-MS-zXX/YYYYzzz The integration board must be designed and approved according to the safety standards IEC61800-5-2
Platinum SOL Twitter	PTWI-%T-zXX/YYYYzzz PTWI-%S-zXX/YYYYzzz PTWI-%F-zXX/YYYYzzz %= V, W or H
Platinum SOL Bee	PBEE-%T-zXX/YYYYzzz PBEE-%S-zXX/YYYYzzz PBEE-%F-zXX/YYYYzzz %= V, W or H



2.1.2 Platinum WHI/Bell Family

Hardware	Version
PCON-PWHI	h
CFB-PWHI/CFB-PBEL	c
SAFEIO-PWHI	d

Platinum WHI/BELL/HOR Generic Part Number



Current/Voltage Modules

XXX/YYY	1/100	2.5/100	5/100	10/100	15/100	20/100	25/100
		3/200	6/200	9/200	10/200		



Model Name	Model Part Number
Platinum Whistle	PWHI-MT-zXX/YYYzzz PWHI-MS-zXX/YYYzzz PWHI-MF-zXX/YYYzzz The integration board must be designed and approved according to the safety standards IEC61800-5-2
Platinum Hornet	PHOR-MT-zXX/YYYzzz PHOR-MS-zXX/YYYzzz PHOR-MF-zXX/YYYzzz The integration board must be designed and approved according to the safety standards IEC61800-5-2
Platinum Bell	PBEL-MT-zXX/YYYzzz PBEL-MS-zXX/YYYzzz PBEL-MF-zXX/YYYzzz The integration board must be designed and approved according to the safety standards IEC61800-5-2
Platinum SOL Whistle	PWHI-ST-zXX/YYYzzz PWHI-SS-zXX/YYYzzz PWHI-SF-zXX/YYYzzz
Platinum SOL BELL	PBEL-ST-zXX/YYYzzz PBEL-SS-zXX/YYYzzz PBEL-SF-zXX/YYYzzz

Munich, 2020-08-07

TÜV SÜD Rail GmbH
Rail Automation

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Technical Certifier