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TÜV SÜD
Italia

COMPLIANCE

with IEC EN 61508 AND IEC EN 61511

Certificate No.: C – IS – 204194 – 02

CERTIFICATE OWNER: **GM International S.r.l.**
Via San Fiorano, 70 – 20852 Villasanta (MI)

WE HEREWITH CONFIRM THAT

THE MODULES IN THE TABLE ENCLOSED TO THE PRESENT DOCUMENT

MEET THE REQUIREMENTS OF IEC EN 61508 AND IEC EN 61511

ACCORDING TO PROVEN-IN-USE ASSESSMENT

(LOW DEMAND MODE OF OPERATION)

Examination result:	**The above described Modules were found to meet the standard defined requirements of the safety levels detailed in the following table (T-IS-204194-02) according to IEC EN 61508 and IEC EN 61511, under fulfillment of the conditions listed in the related Reports, mentioned in the same table, in their currently valid version, on which this Certificate is based**
Examination parameters:	**Functional characteristics, reliability and availability parameters, experience by field application**
Official Summary Table No.:	**T-IS-204194-02**
Expiry Date	**February, 10th 2014**

IT IS TO BE INTENDED THAT THE ABOVE OFFICIAL SUMMARY TABLE IS AN INTEGRAL PART OF THIS DOCUMENT

Reference Standard **IEC EN 61508 Part 1, 2, 3, 4, 6, 7 and IEC EN 61511 Part 1**

Sesto San Giovanni, February, 11th 2011

TÜV ITALIA Srl

TÜV Italia Srl Industrie Service TÜV SÜD Italia

TÜV ITALIA Srl
Industry Service Division
Director

Gennaro Oliva

Italia

SUMMARY TABLE
T-IS-204194-02

	ITEM NAME HARDWARE	ITEM NAME SOFTWARE	REPORT CODE	FINAL RESULTS (*)		
				T_{Proof}	Configuration	Allowed SIL
1.	D1072S	PRG005C into PIC16F505 processor	R-IS-204194-11-Rev.1	3 years	NA	SIL2
				10 years	NA	SIL1
2.	D1072D			2 years	NA	SIL2
				10 years	NA	SIL1
3.	D1073S	PRG024F into 68HC711E9 processor		3 years	Analog current output	SIL2
				10 years	Analog current output	SIL1
				3 years	Alarm trip amplifiers	SIL2
				10 years	Alarm trip amplifiers	SIL1

(*)Considering the products not contribute more than 10% of total SIF dangerous failure.

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	ITEM NAME HARDWARE	ITEM NAME SOFTWARE	REPORT CODE	FINAL RESULTS (*)			
				T_{Proof}	Configuration	Allowed SIL	Note
4.	D1054S	PRG016C into 68HC711E9 processor	R-IS-204194-14-Rev.1	5 years	Analog current output	SIL2	Active input
				10 years	Analog current output	SIL1	Active input
				4 years	Analog current output	SIL2	Passive input
				10 years	Analog current output	SIL1	Passive input
				6 years	Alarm trip amplifiers	SIL2	Active input
				10 years	Alarm trip amplifiers	SIL1	Active input
				6 years	Alarm trip amplifiers	SIL2	Passive input
				10 years	Alarm trip amplifiers	SIL1	Passive input

(*)Considering the products not contribute more than 10% of total SIF dangerous failure.