

"Throttle Signal Converter"

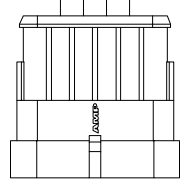
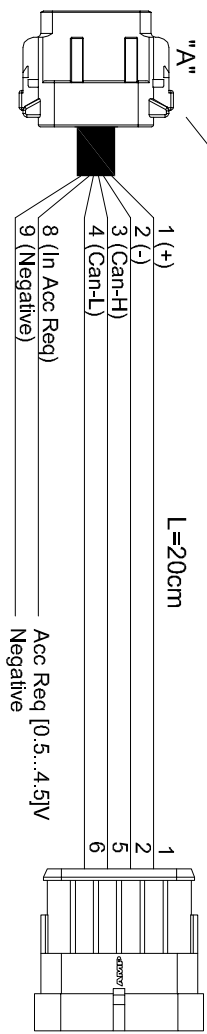
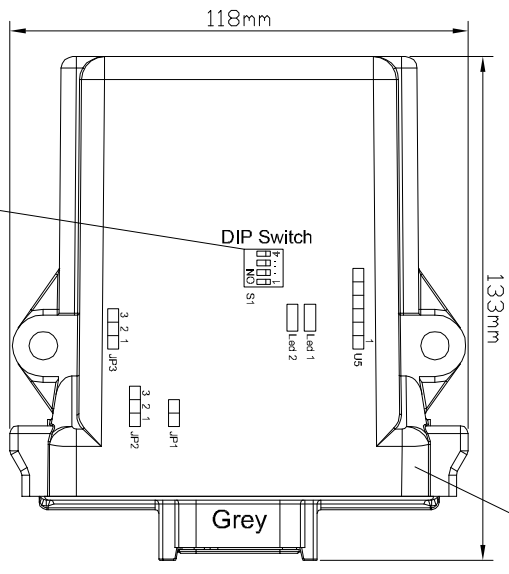
UNS12115/T

sw: 190322

Case: CONT0911

Deutsch Connectors:
 "A" DTM06-12SA (CONT70389) + WM-12S (CONT70391) + 12x0462-201-20141 (CONT70216/5)

Deutsch Accessories:
 Pin Extractor: SRK-RT-01
 Crimping Tool: HDT-48-00



6pin connector - 282108-1 (x1)
 Male contact - 183036-1 (x4)
 Yellow cable seal - 281934-2 (x2)

External Connections

Connector "A" (DTM06-12SA - Grey)

- 1: Power Supply (12...24Vdc)
- 2: GND
- 3: CAN-BUS H
- 4: CAN-BUS L
- 5: Not Connect
- 6: Not Connect
- 7: Not Connect
- 8: Input "Acc Req" (0.5..4.5V)
- 9: Negative Input
- 10: Not Connect
- 11: Not Connect
- 12: Not Connect

Dip1	Dip2	Dip3	Dip4	Engine Type	Engine Speed Request	Tsc1 Type
OFF	OFF	OFF	OFF	Engine Type = N67 480/500/550, Model = N67 ENT MW55.11	[600..3350]rpm	TSC1-VE
ON	OFF	OFF	OFF	Engine Type = N67 570, Model = N67 ENT MW57.11	[600..3150]rpm	TSC1-VE
OFF	OFF	OFF	OFF		[600..2000]rpm	TSC1-VE
ON	ON	OFF	OFF		[600..2300]rpm	TSC1-VE
OFF	OFF	ON	OFF		[600..2500]rpm	TSC1-VE
ON	ON	ON	OFF		[600..2650]rpm	TSC1-VE
OFF	OFF	ON	OFF		[600..2700]rpm	TSC1-VE
ON	ON	ON	OFF		[600..2900]rpm	TSC1-VE
OFF	OFF	ON	OFF		[600..3300]rpm	TSC1-VE
ON	ON	ON	OFF		[600..2300]rpm	TSC1-AE
OFF	OFF	OFF	ON		[600..2900]rpm	TSC1-AE
ON	ON	OFF	ON		[600..3200]rpm	TSC1-AE
OFF	OFF	ON	ON		[600..3300]rpm	TSC1-AE
ON	ON	ON	ON		[750..3900]rpm	TSC1-AE
OFF	OFF	ON	ON		[750..4400]rpm	TSC1-AE
ON	ON	ON	ON		[550..2000]rpm	TSC1-VE

- Input: Throttle signal [0.5..4.5]V. In fault less than 0.2V or more than 4.8V for at least 3 seconds. Immediate Auto Recovery only if the throttle is at the "minimum".
 - Output: CanBus Message [250Kbit/s - 29bit] TSC1-VE / TSC1-AE sent with a period of 10ms.

Led 1 (green):
 - If system Ok => Slow blink [T_On=(ts + T_Off)=1s]
 - If throttle fault => Fast blink [T_On=100ms + T_Off=100ms]

Led 2 (orange):
 - CanBus fault-line=> fixed On
 - Ok => fixed Off

JP1: Open - CAN-BUS end-line is not present
 JP2 e JP3: Close 1-2 - 0...5V Input

Rev.	Date:	Descrizione modifiche - Description of changes:
0	29/03/19	First issue
1	22/05/19	Modified technical notes
2	23/05/19	Updated Dip-Switch selection table
3	12/07/19	Insert the codes of 6 pin connector
4	26/07/19	Addition of the Engine Speed Request selection in [550..2000] rpm for TSC1-VE message

Se non diversamente specificato, tutte le dimensioni sono da intendersi in mm e le tolleranze delle quote ±0.1mm

SAN GIORGIO S.E.I.N. GENOVA - ITALY
 Tel. 010-8301222 - www.sangiojosein.com



Wiring diagram - Throttle Signal Converter
 UNS12115/T

Number: **D190327**
 Compiled: **Silvestri M.**
 Checked: **Manuelli M.**
 Approved: **Manuelli M.**

Sheet: 1/1
 Date: 26/07/19
 Size: A4