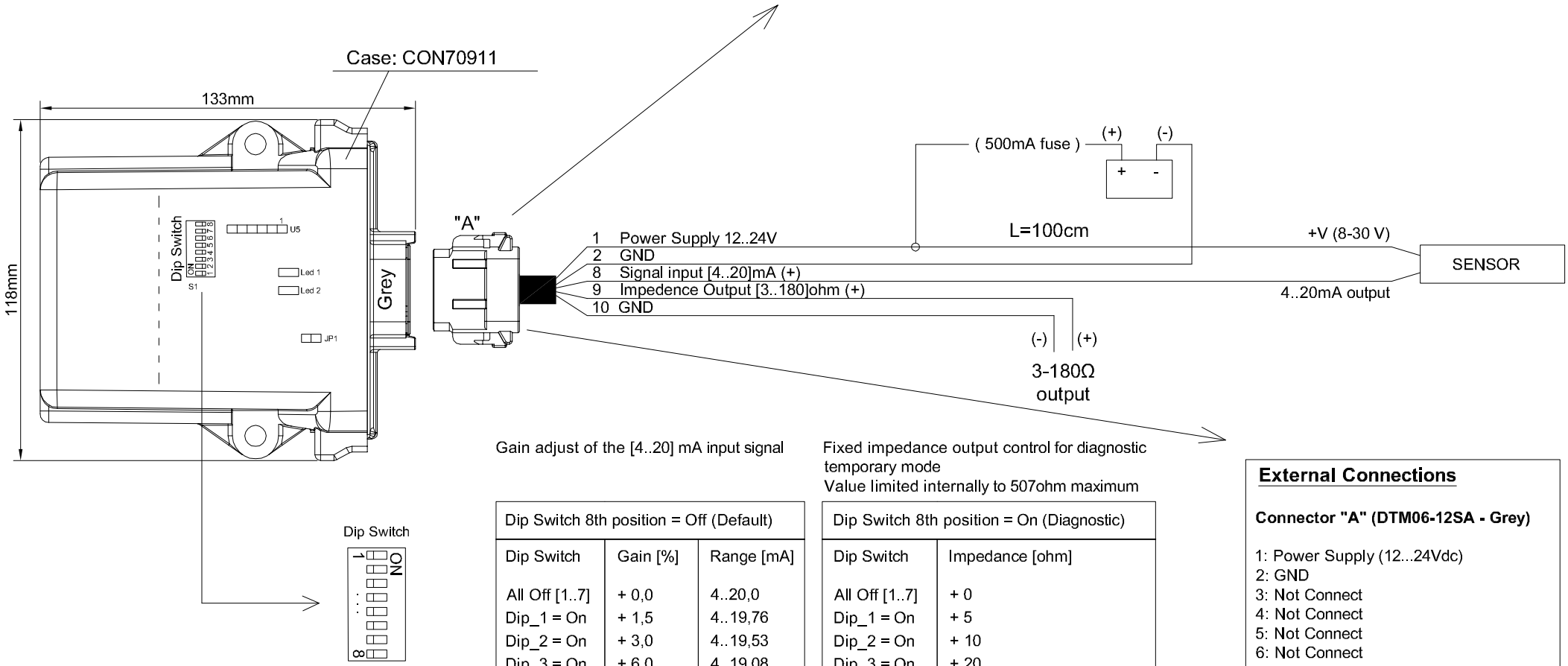
UNS12150

CONVERTER FOR PRESSURE LEVEL SENSOR
4-20 mA INPUT / 3-180OHM OUTPUT (VOLVO EVC)

Deutsch Connectors:
"A" DTM06-12SA (CON70389) + WM-12S (CON70391) + 12x0462-201-20141 (CON70216/5)

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



Gain adjust of the [4..20] mA input signal

Dip Switch 8th position = Off (Default)		
Dip Switch	Gain [%]	Range [mA]
All Off [1..7]	+ 0,0	4..20,0
Dip_1 = On	+ 1,5	4..19,76
Dip_2 = On	+ 3,0	4..19,53
Dip_3 = On	+ 6,0	4..19,08
Dip_4 = On	+ 12,5	4..18,21
Dip_5 = On	+ 27,0	4..16,61
Dip_6 = On	+ 61,0	4..13,93
Dip_7 = On	+ 160,0	4..10,17

Fixed impedance output control for diagnostic temporary mode
Value limited internally to 507ohm maximum

Dip Switch 8th position = On (Diagnostic)	
Dip Switch	Impedance [ohm]
All Off [1..7]	+ 0
Dip_1 = On	+ 5
Dip_2 = On	+ 10
Dip_3 = On	+ 20
Dip_4 = On	+ 40
Dip_5 = On	+ 80
Dip_6 = On	+ 160
Dip_7 = On	+ 320

External Connections

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

1: Power Supply (12...24Vdc)
2: GND
3: Not Connect
4: Not Connect
5: Not Connect
6: Not Connect
7: Not Connect
8: Signal input [4..20]mA (+)
9: Impedence Output [3..180]Ω (+)
10: GND
11: Not Connect
12: Not Connect

Software: 190903

Led 1 (green):
- if system Ok => Slow blink [T_On=1s + T_Off=1s]
- if signal input < 2mA => Fast blink [T_On=100ms + T_Off=100ms]

Led 2 (orange):
- ON = Diagnostic mode

Rev:	Date:	Descrizione modifiche - Description of changes:
0	04/09/19	First iusse
1	02/10/19	Modify gain table and add diagnostic fixed impedance output control table
2	28/07/20	Change 3-180ohm value

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

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Converter for pressure level sensor 4-20mA input
3-180ohm output for VOLVO EVC engine

Number:	Sheet:	Date:	Size:
D190904	1/1	28/07/20	A4

Compiled:	Checked:	Approved:
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