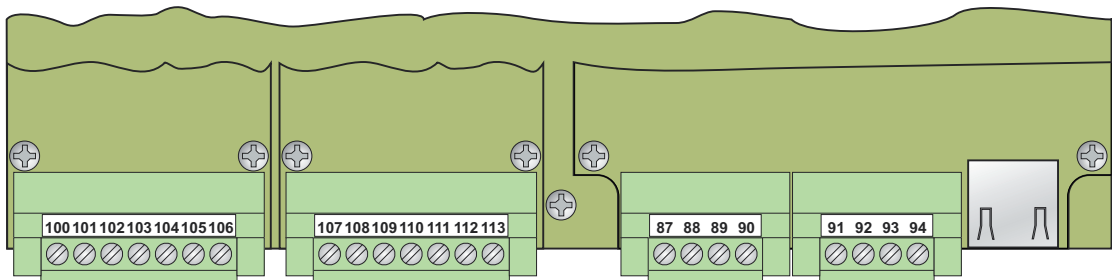


Pin assignment on level II

The Level II is optional and is used when additional inputs and/or outputs (characteristic C90...99) are required, when the REG-DA is equipped with a SCADA interface or when a voltage monitoring unit (characteristic C10) is included. Since there may be very different types of connections when using a SCADA interface (pins 87...98), the assignment should always be taken from the specific wiring diagramm.



Characteristic C10
voltage monitoring unit

Nr.			
100		raise interlock	
101		lower interlock	
102			
103			
104		over voltage >U	
105		COMMON	
106		under voltage <U	
107		measurement voltage U _i	U _{1a}
108			U _{1b}
109			COM 1 / RxD
110		COM 1	COM 1 / TxD
111		COM 2	COM 1/2 /GND
112		RS 232	COM 2 / RxD
113			COM 2 / TxD

Characteristic C91
6 additional binary inputs 48 V AC/DC ... 250 V

Nr.		
100	Binary input	E17
101	Binary input	E18
102	Binary input	E19
103	Binary input	E20
104	Binary input	E21
105	Binary input	E22
106	GND	E17 ... E22

Characteristic C92
12 additional binary inputs 48 V AC/DC ... 250 V

Nr.		
100	Binary input	E17
101	Binary input	E18
102	Binary input	E19
103	Binary input	E20
104	Binary input	E21
105	Binary input	E22
106	GND	E17 ... E22
107	Binary input	E23
108	Binary input	E24
109	Binary input	E25
110	Binary input	E26
111	Binary input	E27
112	Binary input	E28
113	GND	E23 ... E28

Characteristic C93
6 additional relay outputs (NO contacts)

Nr.		
100		R12
101		R13
102		R14
103		R15
104		R16
105		R17
106		GND R12 ... R17

Characteristic C94
12 additional relay outputs (NO contacts)

Nr.		
100		R12
101		R13
102		R14
103		R15
104		R16
105		R17
106		GND R12 ... R17
107		R18
108		R19
109		R20
110		R21
111		R22
112		R23
113		GND R18 ... R23

Characteristic C95
6 additional binary inputs 48 V AC/DC ... 250 V and 6 relay outputs (NO contacts)

Nr.		
100	Binary input	E17
101	Binary input	E18
102	Binary input	E19
103	Binary input	E20
104	Binary input	E21
105	Binary input	E22
106	GND	E17 ... E22
107		R12
108		R13
109		R14
110		R15
111		R16
112		R17
113		GND R12...R17

Characteristic C96
2 additional analogue inputs

Nr.			
100			
101	Analogue input	+	E10
		-	
102			
103	Analogue input	+	E11
		-	

Characteristic C97
4 additional analogue inputs

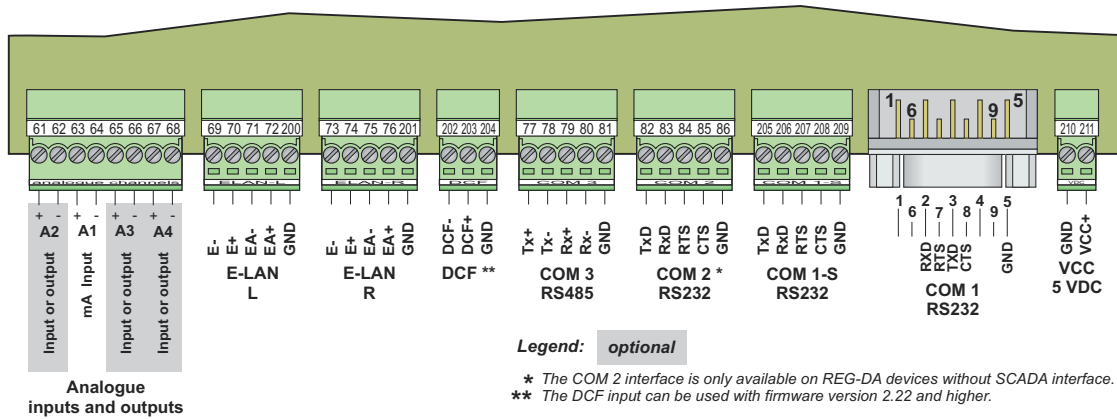
Nr.			
100			
101	Analogue input	+	E10
		-	
102			
103	Analogue input	+	E11
		-	
104			
105	Analogue input	+	E12
		-	
106			
107	Analogue input	+	E13
		-	

Characteristic C98
2 additional analogue outputs

Nr.			
100			
101	Analogue output	+	A10
		-	
102			
103	Analogue output	+	A11
		-	

Characteristic C99
4 additional analogue outputs

Nr.			
100			
101	Analogue output	+	A10
		-	
102			
103	Analogue output	+	A11
		-	
104			
105	Analogue output	+	A12
		-	
106			
107	Analogue output	+	A13
		-	

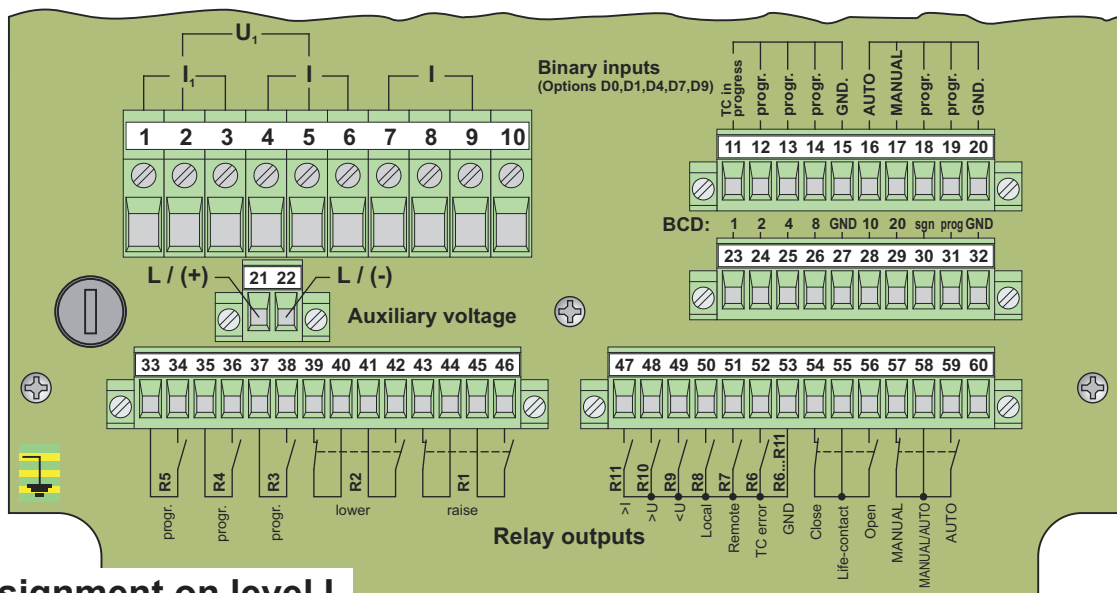


Pin assignment on level III

Options for input A2:
mA input or mA output.

Options for A3/A4:

This terminal can be equipped with either a double mA input module or a double mA output module. It can also be equipped with a PT 100 input module (E91) or a resistance module (E97, E98) if desired. This should be done if the tap-change position is supplied as a resistance value (e.g. 10 Ohm/tap-change position).



Pin assignment on level I

A system with characteristics M1, D0, D1, D4, D7 or D9 is shown in the pin diagram for level 1. The pin assignments for different characteristics (M2, M3, M9, D2, D3, D5, D6, D8) can be found in the operating manual.

Note: The configuration of the outputs R3 to R11 corresponds to the standard settings. The relays in general are free programmable. The same is also true for the binary inputs E1 to E16 (except E5 and E6)

Pin assignment REG-DA

Connection levels I, II, III

The pin assignment diagram corresponds to the version of the REG-DA regulator that is used the most frequently. The pin assignments for less frequently used versions can be found in the operating manual. The current version of the regulator is listed on the nameplate.

