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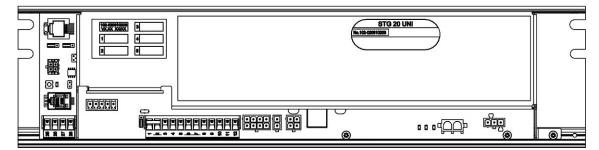
1 Control module STG 20 UNI

1.1 Technical data

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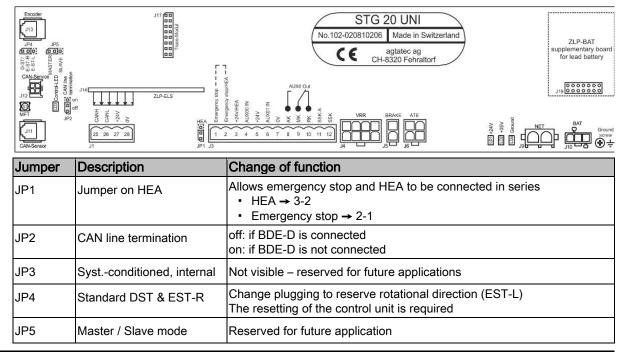


Detailed documents including installation, commissioning and operation manuals are available on record websites.



Control module STG 20 UI	NI, item number	102-020810206
Power supply NET 20 UNI	, item number	102-020814364
Mains voltage		100-240 VAC; 50/60 Hz
Rated power		90 W
Temperature range		From -15° to +15°
Humidity range		Up to 85% rel. humidity, not condensing
Protection class		IP20
	Max. door leaf weight	Max. door opening speed per door leaf
Drive unit ATE 20 (102-020808468)	1 x 150 kg 2 x 120 kg	0,7 m/s
Drive unit ATE 20-200 (102-020810331)	1 x 200 kg 2 x 120 kg	0,7 m/s

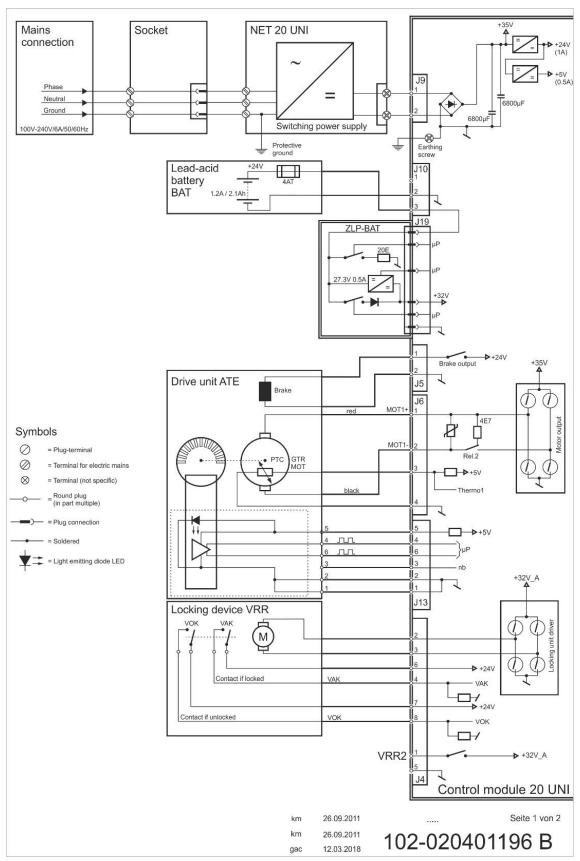
1.2 Terminal assignment STG 20 UNI



Control module STG 20 UNI

LED	D Description		Meaning		
LD1	Green: + 24 V		Is on, if 24 volt circuit is OK Goes OFF in case of short-circuit in 24 volt		
LD2	Green: + 35V		Is on, if system connected to mains voltage		
LD3	Red control: MFT button		For MFT button – flashes, when button is pressed		
LD4			Must light up, if ground screw (protective earth) is withdrawn. Otherwise there is a ground fault.		
Multifunction Function		Function, after	flash impulses have been given		
1 flash impulse		Releases an opening movement (AKI)			
2 flash impulses		Calibrating ELS			
3 flash impulses		Calibrating door parameters			
4 flash impulses		Entering programming level			
			Battery emergency reaction, as long as system is disconnected from mains Battery test in case of mains connection		
8 flash impulses Loads defa		Loads default val	s default values of door type selected		
9 flash impulses		Back to factory settings (afterwards an emergency stop or a reset must be actuated within 10 seconds). The function emergency-stop with reset can only be actuated if the INPUT/OUTPUT parameter Emergency-Stop with Reset is active!			
14 flash impulses		Hardware-Reset will be done after approx. 12 sec. (all parameters remain unchanged)			
Connector designation		Connections			
J1		Terminals 25 – 28 \rightarrow for BDE-D			
J3		Terminals 1 – 12: Functions according to wiring diagram 102-020401196			
J4		Locking device VRR			
J5 Motor brake		Motor brake			
J6	J6 Drive unit ATE				
J 9	Power supply NET		T 20 UNI		
J10		Lead battery BAT → Notice: supplementary board for lead battery (ZLP-BAT 19) necessary!			
		\rightarrow Notice: supple	mentary board for lead battery (ZLF-DAT 19) necessary!		
J11		\rightarrow Notice: supple CAN-bus for sense			
J11 J12			sors		
		CAN-bus for sens	sors		
J12		CAN-bus for sens CAN-bus plug for Encoder motor	sors		
J12 J13		CAN-bus for sens CAN-bus plug for Encoder motor	oard for safety beams ELS (ZLP-ELS)		

1.3 Wiring diagram control module STG 20 UNI



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