

10/68-8.26 EN



- Micro processor controlled power electronics with integrated frequency converter
- Voltage supply AC 115 V or AC 230 V
- Conventional signal interface (0/4 ... 20 mA / 24 V)
- Digital communication via RS 232 and HART
- Profibus DP
- Additional functions such as process controller, maintenance computer, programmable characteristics
- Housing with high protection class IP 66
- Torque and speed variation
- Continuous positioning
- Simple installation and commissioning
- Simple configuration and parameter setting via graphical user interface
- High response sensitivity
- Reliable at short positioning time

### Positioning:

During continuous positioning the power electronic unit varies the motor torque steplessly until the actuator force and the restoring process forces are balanced. High response sensitivity and positioning accuracy ensure an excellent control quality and a long actuator life expectancy.

**Technical Data**

Voltage supply	AC 115 V (94 V ... 130 V) or AC 230 V (190 V ... 260 V); 47.5 ... 63 Hz; 1Ph
Current input (AC 115 V / AC 230 V) max [A] (positioning)	1.0 / 0.5 (approx. 40 ... 50% of max. current input)
External fuse	16 A; slow
Analogue input	0 / 4 ... 20 mA
Analogue output	0 / 4 ... 20 mA, galvanically isolated
Digital input, BE1 ... BE3	digital 0: -3V ... + 5 V or open, galvanically isolated digital 1: +12 V ...+ 35 V, galvanically isolated
Digital output, BA1 ... BA3	relay contact potential free, max. 60 V; 150 mA
Digital communication	RS 232 for commissioning and service, optionally FSK / HART® or Profibus DP
Standard settings	behaviour in 0/100% end position:keeps position with rated torque / force set point function: linear, set point = position value set point input: 4 ... 20 mA function selection: positioner, parameter: set point actual value: 4 ... 20 mA digital input: BE 1 M/A selection; BE 2 / BE 3 manual interaction+/- digital output: BA 1 ready for operation; BA 2/3 end position signal 0/100%
Voltage output $U_V$	DC 24V; 15 mA; galvanically isolated; for contact scan or similar
Transmitter (optionally)	supply for 2-wire transmitter with activated controller in Contrac
Individual settings	see data sheet 68-2.40 or upon request

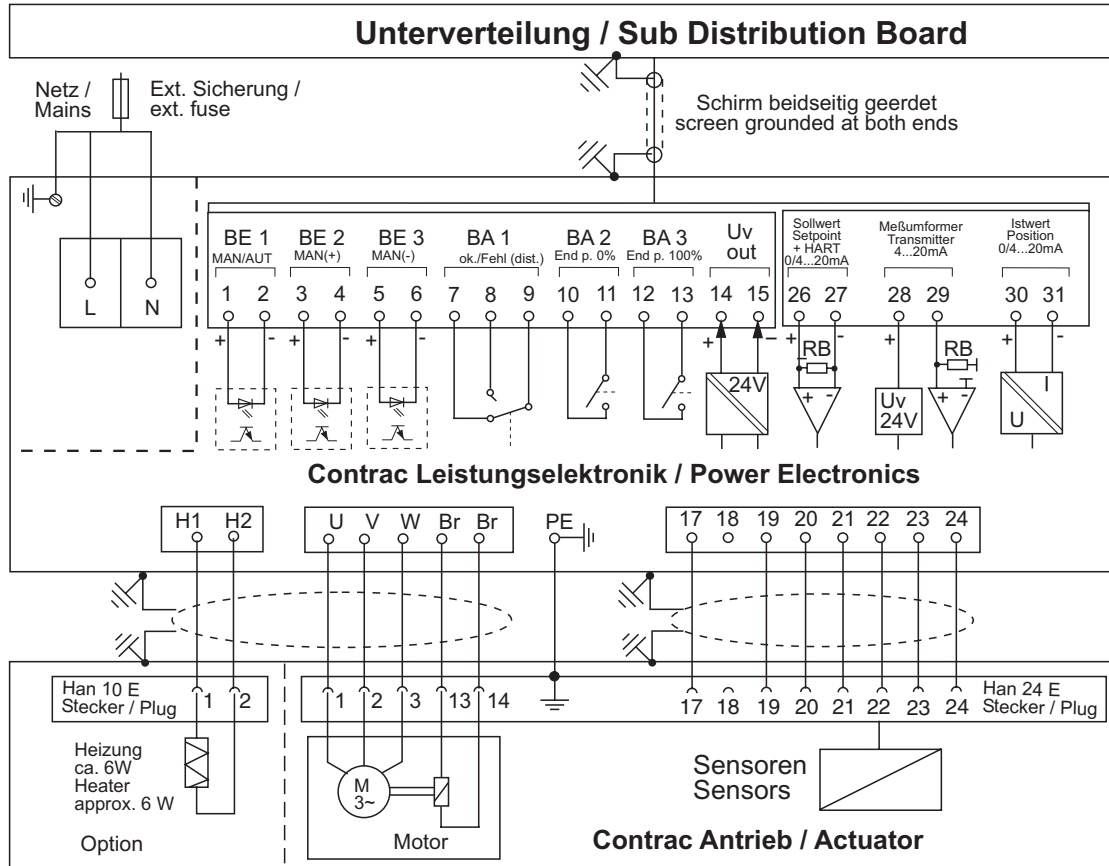
Analogue/digital input/output not available with communication via profibus DP

Protection class	IP 66
Humidity	≤ 95% average; (condensation not permitted)
Ambient temperature	-25° C ... +55° C
Mounting position	at vertical support; cable glands left, lateral
Coating	2 component epoxy-resin paint (RAL 9005, black)
Connection cable between actuator and electronics	optionally 5 m; 10 m or 20 m (with plug for connection to the actuator)
Weight	approx. 10 kg

**Technical Data**

The electrical connection is done via a plug at the actuator and via terminals at the electronics.  
 Electrical connection: standard; analogue / binary

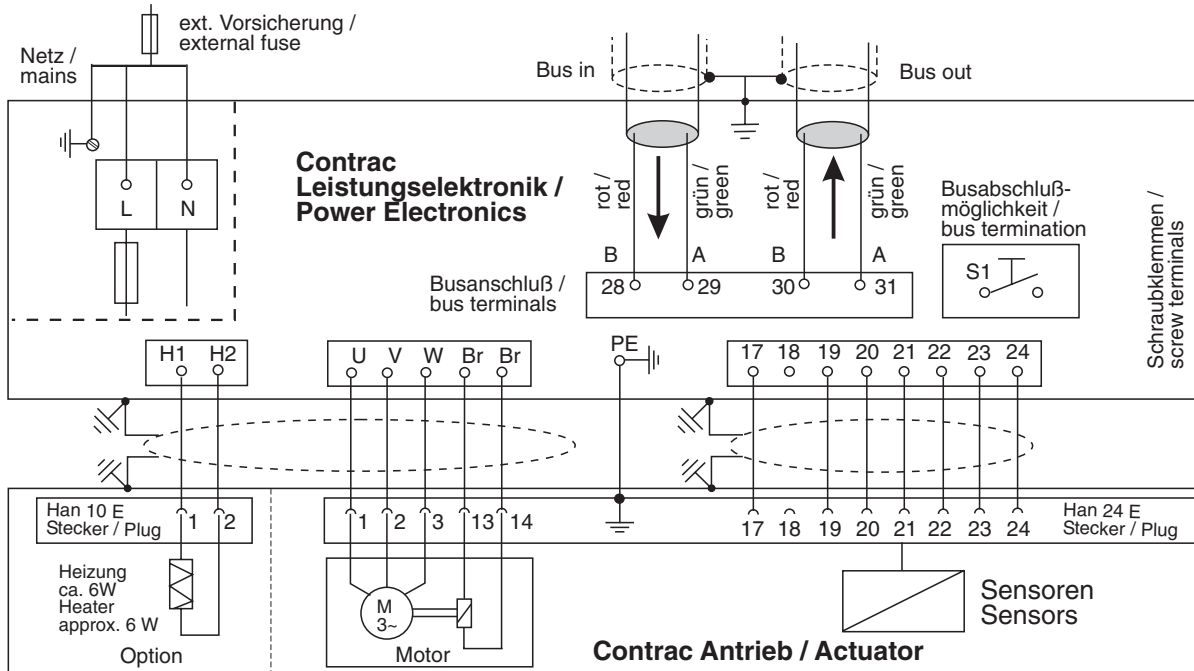
one-sided screening  
 in following wiring possible



r00009x1

**Technical Data**

Electrical connection: Option Profibus DP



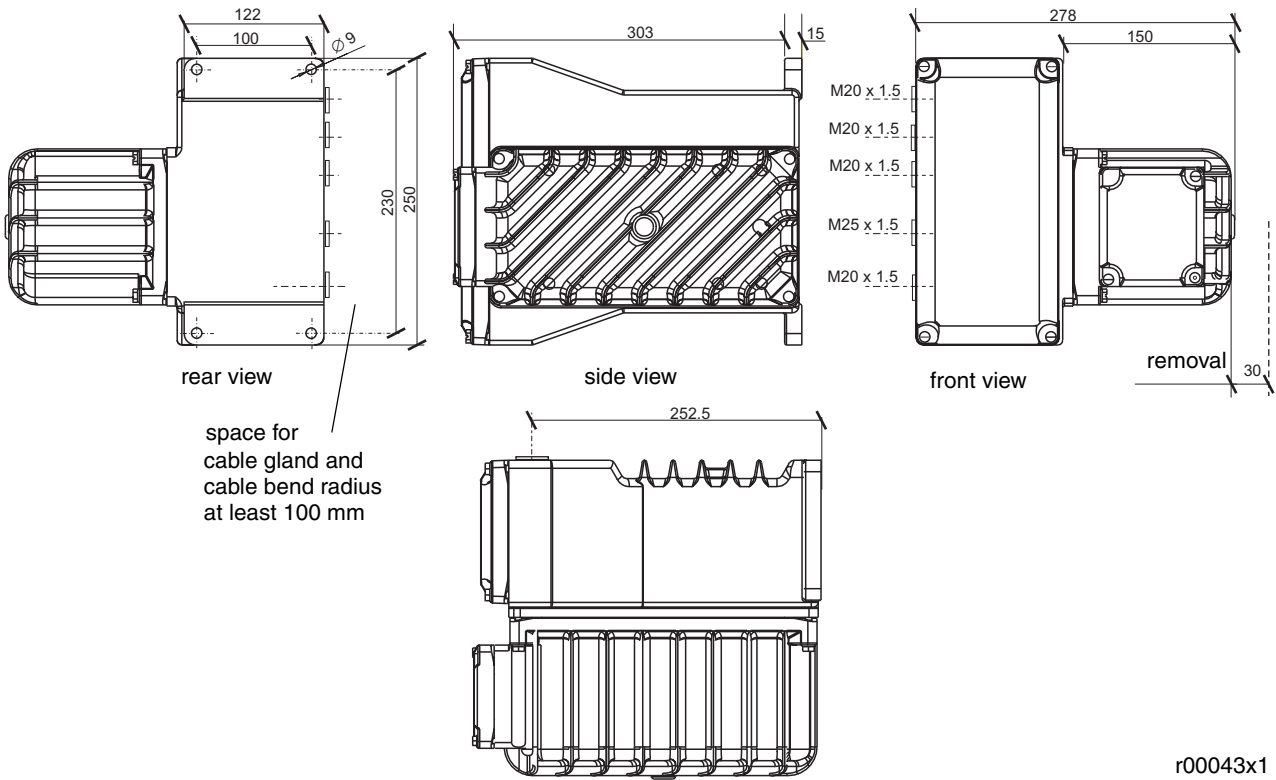
r0010x1

**Order Information**

				Catalog No.			
<b>EAN 823</b>				<b>V68823</b>			
EAN 823 for PME 120 AN				0001			
EAN 823 for LME 620 AN				0002			
<b>For PME 120 AN</b>	<b>torque</b>	<b>speed</b>	<b>pos. time</b>		Code		
<b>adjusted to:</b>	[Nm]	[°/s]	[s/90°]				
	100	4,5	20		310		
	100	3,0	30		311		
	100	1,5	60		312		
	50	3,0	30		313		
	50	1,5	60		314		
<b>For LME 620 AN</b>	<b>force</b>	<b>speed</b>	<b>pos. time</b>				
<b>adjusted to:</b>	kN	mm/s	s/60 mm				
	4	2,0	30		320		
	4	1,0	60		321		
	4	0,5	120		322		
<b>Special features of electronic unit</b> (select at least one feature)							
Supply voltage				AC 230 V 1 PH	380		
				AC 115 V 1 Ph	381		
Frequency				50 Hz	382		
				60 Hz	383		
Digital communication				RS 232	384		
				RS 232 + HART	385		
				Profibus DP	386		
Electrical connection to actuator				w ithout cable (plug at actuator)	335		
				w ith 5 m cable end and 24-pole plug	690		
				w ith 10 m cable end and 24-pole plug	691		
				w ith 20 m cable end and 24-pole plug	692		
Standard settings for electronic unit (see techn. data)					390		
Customer specific settings for electronic unit (see data sheet 10/68-2.40)					391		
<b>Additional features of electronic unit</b> (selection not necessarily required)							
Electrical connection thread				Set NPT adapter (joint metric / NPT thread)	680		
				Set PG adapter (joint metric / PG thread)	681		
Anti-condensation heater in actuator "ON"					359		
Identification on data label (alphanumeric; max. 32 characters)					295		
F. No. of associated actuator on data label of electronic unit					297		
Factory certificate 2.1 acc. to EN 10204					291		
Certificate B acc. to EN 10202					292		
Manual (give total quantity)							
German (no remark for 1 copy)					Z2D		
English (code no. always required)					Z2E		

**Dimensions**

**Power Electronics EAN 823**



r00043x1

max. cable gauge		
mains; motor	solid wire:	6 mm <sup>2</sup>
	flexible:	4 mm <sup>2</sup>
signals	solid wire:	4 mm <sup>2</sup>
	flexible:	2.5 mm <sup>2</sup>

tapped holes for cable gland			
	metric	optional adapter* for	
mains	1 x M20 x 1.5	1 x PG 16	1 x NPT 1/2"
signals	3 x M20 x 1.5	3 x PG 16	3 x NPT 1/2"
motor	1 x M25 x 1.5	1 x PG 21	1 x NPT 1/4"

\* adapter for PG or NPT thread to be additionally ordered



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**ABB Ltd.**

ABB Ltd.  
Howard Road, St. Neots  
Cambridgeshire, PE19 8EU  
UK  
Tel: +44 (0)1480 475321  
Fax: +44 (0)1480 217948

**ABB Inc.**

125 E. County Line Road  
Warminster, PA 18974  
USA  
Tel. +1 215 674 6000  
Fax +1 215 674 7183

**ABB Automation Products GmbH**

Schillerstraße 72  
D - 32425 Minden  
DEUTSCHLAND  
Tel. +49 571 830 - 1494  
Fax +49 571 830 - 1860  
CCC-support.deapr@de.abb.com

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