

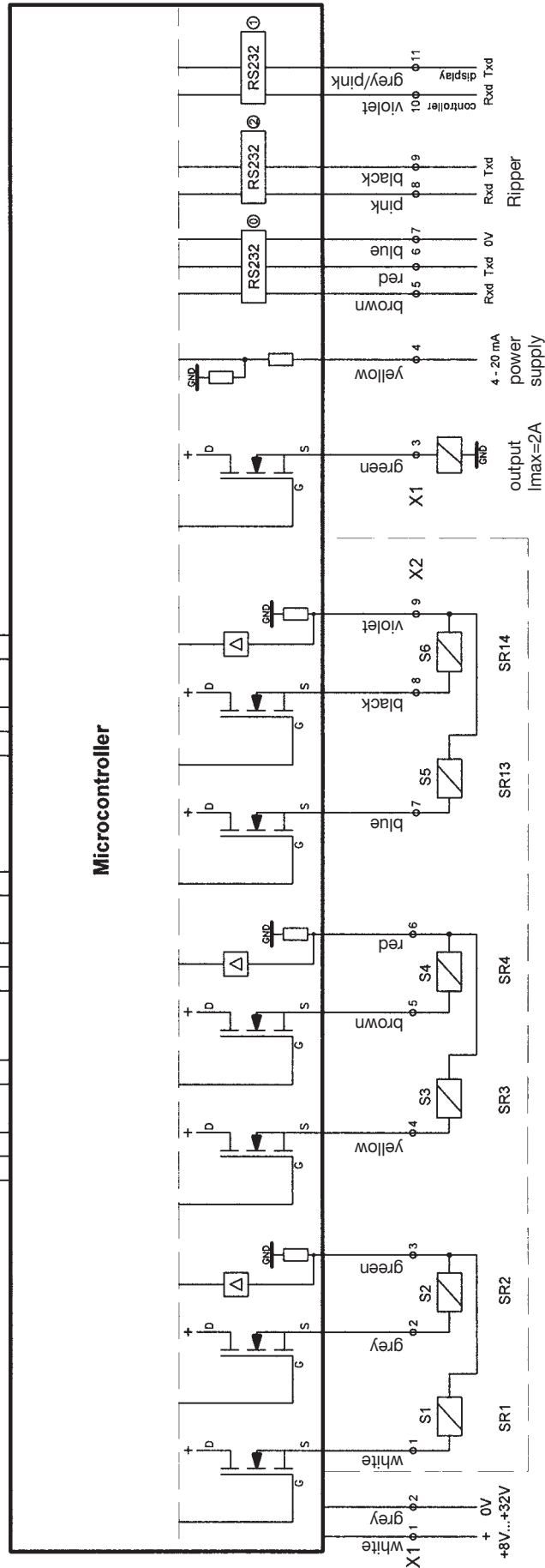
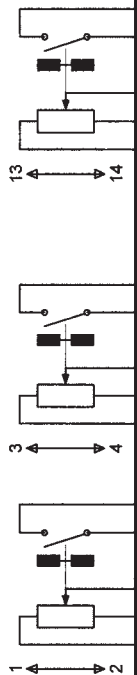
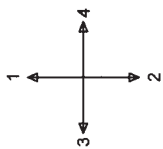


Pos.	for mounting on V 8 with potentiometer		Type	Weight gramm	Type	Price EURO
1	<p>Elektronik (Amplifier)</p> <p>Technical data:</p> <p>Power supply 8–32 V DC Current controlled PWM 0–1 A per axis can be a characteristic curve deposited</p> <p>Dither frequency 150 or 200 Hz adjustable</p> <p>Ramp time adjustable</p> <p>or</p> <p>Current input 4–20 mA Current output 2 A</p> <p>RS 232 interface with PC work parameter attitude and diagnosis</p> <p>Error journal for 41 errors with operating time active/inactively recognition</p> <p>Connector DT04-12P / DT06-12S</p>		ES/61	250	EV01	
90	<p>Humidity protection (circuit board moulded) for use with high condensation</p>					



ES/61-10

directions



power supply: +8V ... +32V  
 PWM-output: max 1A  
 Frequency: 150/200 Hz ±10 Hz  
 X1: 12 pol. „DEUTSCH“ Connector type: DT04-12P  
 X2: 12 pol. „DEUTSCH“ Connector type: DT06-12S



Pos.	for mounting on: V 10, V 8, VV 8, D 8, P 10, P 11, P 12			Weight gramm	Type	Price EURO
10 11 12						
15 16 17						
30 31 32	Voltage output impressed 0-10 Volt electronic for 1 axis electronic for 2 axis  Technical data: Power supply 18-30 V DC Output 0-10 Volt (+ 5 mA) Output characteristic linear	ANALOG	EP/84	150	EU01 EU02	
35 36 37	Voltage output impressed $\pm 10$ Volt electronic for 1 axis electronic for 2 axis  Technical data: Power supply 18-30 V DC Output $\pm 10$ Volt ( $\pm 5$ mA) Output characteristic linear	ANALOG	EP/84	150	EU03 EU04	
40 41 42	Output power impressed 0-20 mA electronic for 1 axis electronic for 2 axis  Technical data: Power supply 18-30 V DC Output 0-20 mA Output characteristic linear	ANALOG	ER/16		EI01 EI02	
45 46 47	Output power impressed 4-20 mA electronic for 1 axis electronic for 2 axis  Technical data: Power supply 18-30 V DC Output 4-20 mA Output characteristic linear	ANALOG	ER/16		EI03 EI04	
50 51 52	Output power impressed $\pm 20$ mA electronic for 1 axis electronic for 2 axis  Technical data: Power supply 18-30 V DC Output $\pm 20$ mA Output characteristic linear	ANALOG	ER/44	150	EI05 EI06	
90	Humidity protection (circuit board moulded) for use with high condensation					



Pos.	for mounting on: V 85, WV 85, V 25			Weight gramm	Type	Price EURO
10 11 12	8bit Gray-code electronic for 1 axis electronic for 2 axis  Technical data: Power supply 18-30 V DC Output PNP 24 V DC 10 mA) Output characteristic linear	DIGITAL	EP/340	150	ED11 ED12	
15 16 17	8bit Binär-code electronic for 1 axis electronic for 2 axis  Technical data: Power supply 18-30 V DC Output PNP 24 V DC 10 mA) Output characteristic linear	DIGITAL	EP/340	150	ED13 ED14	
30 31 32	Voltage output impressed 0-10 Volt electronic for 1 axis electronic for 2 axis  Technical data: Power supply 18-30 V DC Output 0-10 Volt (+ 5 mA) Output characteristic linear	ANALOG	EP/318	150	EU11 EU12	
35 36 37	Voltage output impressed ± 10 Volt electronic for 1 axis electronic for 2 axis  Technical data: Power supply 18-30 V DC Output ± 10 Volt (± 5 mA) Output characteristic linear	ANALOG	EP/318	150	EU13 EU14	
40 41 42						
45 46 47	Output power impressed 4-20 mA electronic for 1 axis electronic for 2 axis  Technical data: Power supply 18-30 V DC Output 4-20 mA Output characteristic linear	ANALOG		150	E113 E114	
50 51 52						
90	Humidity protection (circuit board moulded) for use with high condensation					



Pos.	for mounting on: V 10, V 8, VV 8, D 8, P 10, P 11, P 12			Weight gramm	Type	Price EURO
1	<p>Electronic      Profi-Bus DP</p> <p>Technical data:    Power supply 18-30 V DC distinctively poled</p> <p>                          Profi-Bus Baud rate max. 12 MBit/s</p> <p>                          Address outside adjustable 0...99 by rotary switch (default 99)</p> <p>                          potentiometer output value 0 / 128 / 255 or 255 / 0 / 255</p> <p>Input                3 analog ports for 3 potentiometers (3-axis)</p> <p>                          6 digital ports for 3 x 2 direction-contacts</p> <p>                          8 digital ports for 8 switches</p> <p>Connection D-SUB 9 socket (female insert)</p> <p>3    B-line</p> <p>4    RTS</p> <p>5    GND</p> <p>6    +5 V</p> <p>8    A-line</p> <p>Connector 2-pole</p> <p>1    24 V</p> <p>2    0 V</p> <p>Communication Profi-Bus DP (DIN 192 45 section 3)</p> <p>Ident-No. 068 BH</p>			EB/85	EPB01	
90	Humidity protection (circuit board moulded) for use with high condensation					



Pos.	for mounting on: V 85, WV 85, V 25			Weight gramm	Type	Price EURO
1	<p>Electronic Profi-Bus DP</p> <p>Technical data: Power supply 18-30 V DC distinctively poled</p> <p>Profi-Bus Baud rate max. 12 MBit/s</p> <p>Address outside adjustable 0...99 by rotary switch (default 99)</p> <p>Hallsensors output value 0 / 128 / 255 or 255 / 0 / 255</p> <p>Input 3 analog ports for 3 potentiometers (3-axis)</p> <p>6 digital ports for 3 x 2 direction-contacts</p> <p>8 digital ports for 8 switches</p> <p>Connection D-SUB 9 socket (female insert)</p> <p>3 B-line</p> <p>4 RTS</p> <p>5 GND</p> <p>6 +5 V</p> <p>8 A-line</p> <p>Connector 2-pole</p> <p>1 24 V</p> <p>2 0 V</p> <p>Communication Profi-Bus DP (DIN 192 45 section 3)</p> <p>Ident-No. 068 BH</p>		EB/85	150	EPB11	
90	Humidity protection (circuit board moulded) for use with high condensation					

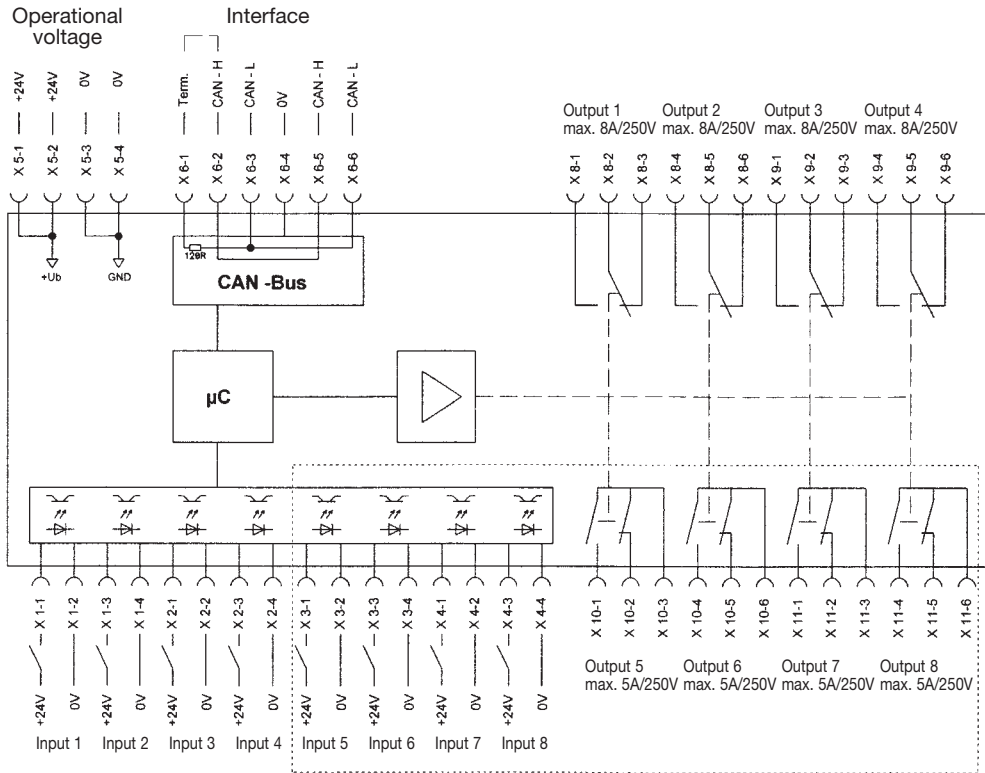


Pos.	for mounting on: V 10, V 8, VV 8, D 8, P 10, P 11, P 12			Weight gramm	Type	Price EURO
1	<p>Electronic CAN-Bus</p> <p>Technical data: Power supply 9-36 V DC distinctively poled</p> <p>CAN-Bus level: physical layer acc. ISO 11898</p> <p>Baud rate 125 kBit/s...1Mbit/s</p> <p>Bus-exclusion DIP switch hook up</p> <p>Identifier / CAN-open-ID adjustable by DIP switch</p> <p>Input 4 analog ports for 4 potentiometer (4-axis)</p> <p>8 digital ports for 4 x 2 direction-contacts</p> <p>8 digital ports for 8 switches</p> <p>Connection D-SUB 9 socket protection IP 65 (male)</p> <p>2 CAN-L in</p> <p>3 GND</p> <p>7 CAN-H in</p> <p>9 Supply voltage</p> <p>Connection D-SUB 9 socket protection IP 65 (female)</p> <p>2 CAN-L out</p> <p>3 GND</p> <p>7 CAN-H out</p> <p>9 Supply voltage</p> <p>Protocol CAN-Open according to C/ADS 301 or customer preference</p> <p>Parameters or configurations will be stored in existing EEPROM</p>		T 646 EB/40	150	ECB01	
90	Humidity protection (circuit board moulded) for use with high condensation					

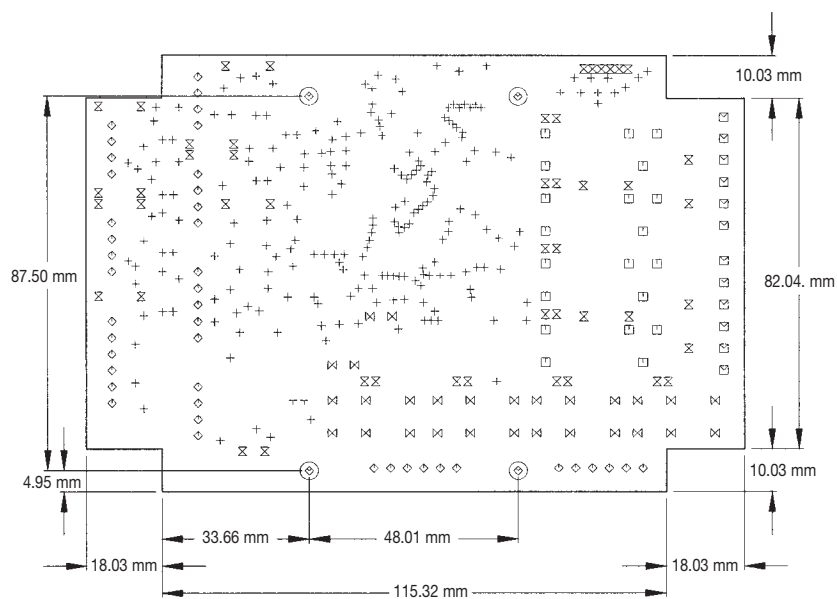


Pos.		Type	Weight gramm	Type	Price EURO
1	Elektronic CAN-Bus I/O card Technical data: Power supply 9–36 V distinctively poled Baudrate 125 KBit/s Bus-Exclusion DIP switch hook up Identifier / CAN-open-ID adjustable by DIP switch Input: 8 digitale ports Output: 8 digitale ports Connection; Connector pin and socket	EB/49	100	ECB02	

**Electrical diagram**



**Scale drawing**



50	Plastic housing (EMV) 120x170x66 with 3 holes for cable entry M20		350	I	
90	Humidity protection (circuit board moulded) for use with high condensation				





Pos.	for mounting on: V 85, VV 85, V 25			Weight gramm	Type	Price EURO
1	<p>Electronic CAN-Bus</p> <p>Technical data: Power supply 9-36 V DC distinctively poled</p> <p>CAN-Bus level: physical layer acc. ISO 11898</p> <p>Baud rate 125 kBit/s...1Mbit/s</p> <p>Bus-exclusion DIP switch hook up</p> <p>Identifier / CAN-open-ID adjustable by DIP switch</p> <p>Input 4 analog ports for 4 potentiometer (4-axis)</p> <p>8 digital ports for 4 x 2 direction-contacts</p> <p>8 digital ports for 8 switches</p> <p>Connection D-SUB 9 socket protection IP 65 (male)</p> <p>2 CAN-L in</p> <p>3 GND</p> <p>7 CAN-H in</p> <p>9 Supply voltage</p> <p>Connection D-SUB 9 socket protection IP 65 (female)</p> <p>2 CAN-L out</p> <p>3 GND</p> <p>7 CAN-H out</p> <p>9 Supply voltage</p> <p>Protocol CAN-Open according to C/ADS 301 or customer preference</p> <p>Parameters or configurations will be stored in existing EEPROM</p>			150	ECB11	
90	Humidity protection (circuit board moulded) for use with high condensation					