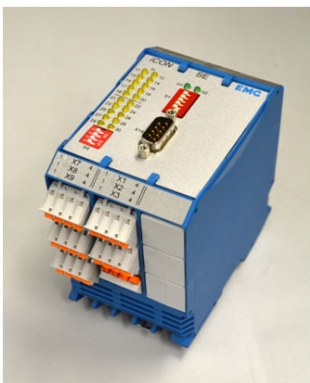
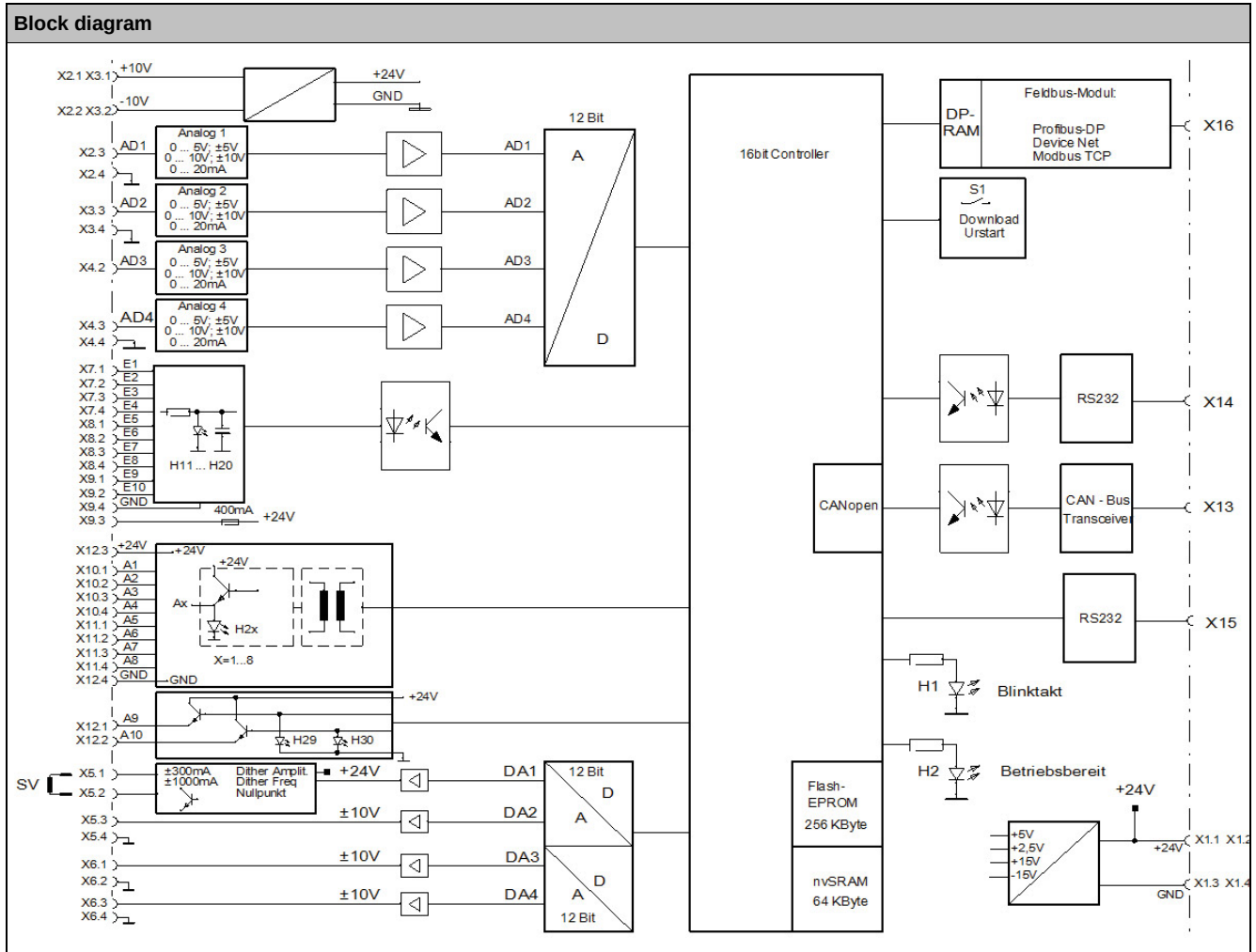


EMG iCON® SE01 Intelligent CONTROLLER Standard Edition

View		
	Function:	Intelligent controller for strip run
	Mechanical design:	Compact housing 67.5 mm x 90 mm x 120 mm
	Connection:	plug-in block terminal
	Weight:	Weight: approx.: 0.6 kg
	Intended purpose: The EMG iCON® SE intelligent CONTROLLER is a digital µC-based strip position controller. Equipped with an EMG sensor/actuator interface (CANopen), analogue/digital inputs/outputs and a final amplifier for EMG servo valves, the EMG iCON® SE covers the standard range of EMG strip guiding systems. An analogue output is directly suitable for controlling servo valves. The 7" EMG iCON® VS touch panel can be connected to the controller. The application software is created with the LogiCAD-32 graphic programming interface.	



Control elements			
S1 - Configuration		LED - Messages	
S1.1	Initial start	H1	Flashing cycle
S1.2	Download	H2	Ready for operation
S1.3	ON > Modbus RTU (touch panel)	H11..H20	Digital inputs 1 .. 10
S1.4	Res.	H21..H30	digital outputs 1 .. 10

Control elements			
S1.5	Fieldbus integrated		
S1.6	CAN-Bus terminating resistor ON/OFF (120 Ohm)		
S4 - Configuration of analogue input 1 .. 4			
S4.1	AI1 ⇒ ON = Current input 0 ..20 mA / OFF = voltage input		
S4.2	AI2 ⇒ ON = Current input 0 ..20 mA / OFF = voltage input		
S4.3	AI3 ⇒ ON = Current input 0 ..20 mA / OFF = voltage input		
S4.4	AI4 ⇒ ON = Current input 0 ..20 mA / OFF = voltage input		
Technical data			
	All equipped with plug-in terminals (4-pin, coded)		
Power supply	X 1	24 V DC ± 15 % / 1.2 A	
Analogue input 1	X 2	± 5 V; ± 10 V; 0(4) ... 20 mA	(12 bit)
Analogue input 2	X 3	± 5 V; ± 10 V; 0(4) ... 20 mA	(12 bit) ⇒ fixed terminal
Analogue input 3 + 4	X 4	± 5 V; ± 10 V; 0(4) ... 20 mA	(12 bit)
Analogue current output 1	X 5	I out max. ± 1A	(12 bit)
analogue output 2	X5	± 10 V / 5 mA	(12 bit)
Analogue output 3 + 4	X 6	± 10 V / 5 mA	(12 bit)
Digital inputs 1 .. 4	X 7	+ 24 V (12...30 V) / 10 mA	(potential-free, GND = X9.4)
Digital inputs 5 .. 8	X 8	+ 24 V (12...30 V) / 10 mA	(potential-free, GND = X9.4)
Digital inputs 9 + 10	X 9	+ 24 V (12...30 V) / 10 mA	(potential-free, GND = X9.4)
digital outputs 1 .. 4	X 10	+ 24 V / 0.2 A	(potential-free, +24 V = X12.3, GND = X12.4)
digital outputs 5 .. 8	X 11	+ 24 V / 0.2 A	(potential-free, +24 V = X12.3, GND = X12.4)
digital outputs 9 .. 10	X 12	+ 24 V / 0.2 A	(non-isolated, +24 V = internal)
CANopen interface	X 13	250 kBaud, CANopen specification DS301 / 5-pin direct plug connection at the rear	
RS232 interface 1	X 14	D-Sub 9-pin plug / for download or online test (RS232)	
RS232 interface 2	X 15	Plug-in terminal for display unit / connector block 5-pin (incl. 24 VDC power supply)	
Protection type	IP20		
Ambient temperature:	0 .. +50 °C		
Storage temperature:	-20 .. +70 °C		
Type code		EMG iCON® SE 01.0	
EMG iCON®	Intelligent Controller		
SE	SE = Standard-Edition XE - Extended-Edition (in progress)		
01	01 = basic version (without fieldbus module) 02 = basic version with PROFIBUS-DP 04 = basic version with Ethernet		
0	Expanded version 0		