

Overview AS-Interface G20 control modules

	VBA-3E3A-G20-ZEL/E2L-P1		VBA-4E3A-G20-ZEL/M1L-P2 / P6		VBA-4E3A-G20-ZEL/E2L-P5 / P11		VBA-4E4A-G20-ZEJ/M3L-P9		VBA-4E4A-G20-ZEJ/M3L-P10	
Inputs / outputs	3 inputs / 3 outputs (Extended addressing)		4 inputs / 3 outputs (Extended addressing)		4 inputs / 3 outputs (Extended addressing)		4 inputs / 4 outputs (Extended addressing)		2 inputs / 4 outputs (Extended addressing)	
Cycle time	Inputs 10 ms	Outputs 10 ms	Inputs 10 ms	Outputs 10 ms	Inputs 10 ms	Outputs 10 ms	Inputs 10 ms	Outputs 20 ms	Inputs 10 ms	Outputs 20 ms
Data bits	Inputs D0 = IN 1 D1 = IN 2 D2 = IN 3 D3 = Reserved	Outputs D0 = OUT 1 D1 = OUT 2 D2 = OUT 3 D3 = Reserved	Inputs D0 = Error MOT 1 D1 = Error MOT 2 D2 = IN 1 D3 = IN 2	Outputs D0 = MOT 1 D1 = MOT 2 D2 = DIR. MOT1/MOT2 D3 = Reserved	Inputs D0 = IN 1 D1 = IN 2 D2 = IN 3 D3 = IN 4	Outputs D0 = OUT 1 D1 = OUT 2 D2 = OUT 3 D3 = Reserved	Inputs D0 = IN 1 D1 = IN 2 D2 = Error MOT 1 D3 = Error MOT 2	Outputs D0 = MOT 1 D1 = MOT 2 D2 = DIR. MOT1/MOT2 D3 = Slow MOT1/MOT2	Inputs D0 = IN 1 D1 = IN 2 D2 = Reserved D3 = Reserved	Outputs D0 = MOT 1 D1 = MOT 2 D2 = DIR. MOT1/MOT2 D3 = Slow MOT1/MOT2
Parameter bits	P0 = Fail safe behavior (Watchdog) P1 = Inputfilter (2 ms) P2 = Synchronous mode P3 = Reserved		P0 = Motor Speed P1 = Motor Speed P2 = Motor Speed P3 = Reserved		P0 = Fail safe behavior (Watchdog) P1 = Inputfilter (2 ms) P2 = Synchronous mode P3 = Reserved		P0 = Motor Speed P1 = Motor Speed P2 = DIR. MOT1/MOT2 (co. / counter-rotating) P3 = Reserved		P0 = Motor Speed P1 = Motor Speed P2 = DIR. MOT1/MOT2 (co. / counter-rotating) P3 = Reserved	
Configurable motor speeds	1 Speed (ON/OFF)		8 Speeds (4...10 V)		1 Speed (ON/OFF)		4 Speeds (fast) + 4 Speeds (slow)		4 Speeds (fast) + 4 Speeds (slow)	
Configurable start/stop ramps	No ramps		8 Ramps (0...1500 ms)		No ramps		8 Ramps (0...1500 ms)		8 Ramps (0...1500 ms)	
Power supply	Inputs Externally (Uaux)	Outputs Externally (Uaux)	Inputs Externally (Uaux)	Outputs Externally (Uaux)	Inputs Externally (Uaux)	Outputs Externally (Uaux)	Inputs Internally (ASI)	Outputs Externally (Uaux)	Inputs Internally (ASI)	Outputs Externally (Uaux)
Current loading capacity	Inputs 500 mA	Outputs 2 A (5 A < 2 s)	Inputs 500 mA	Outputs 2 A (5 A < 2 s)	Inputs 500 mA	Outputs 2 A (5 A < 2 s)	Inputs 100 mA	Outputs 2 A (5 A < 2 s)	Inputs 100 mA	Outputs 2 A (5 A < 2 s)
Connections	Inputs M8 (nut) cable length 1 m	Outputs M8 (snap-on) cable length 1 m	Inputs M8 (nut) cable length P2: 1 m cable length P6: 0,35 m	Outputs M8 (snap-on) cable length P2: 1 m cable length P6: 0,35 m	Inputs M12 (nut) cable length P5: 2 m cable length P11: 0,7 m	Outputs M12 (nut) cable length P5: 2 m cable length P11: 1,5 m	Inputs M8 (nut) cable length 1 m	Outputs M8 (snap-on) cable length 1 m	Inputs M8 (nut) cable length 1 m	Outputs M8 (nut) cable length 1 m
Compatible motorrollers	Standard DI / DO-Slave		Interroll EC310 Rulmeca BL3 Itoh Denki PM500XK		Lenze smart motor drive SEW Moviswitch		Interroll EC310 Rulmeca BL3 Itoh Denki PM500XK		Itoh Denki PM500XE Itoh Denki PM500XP	