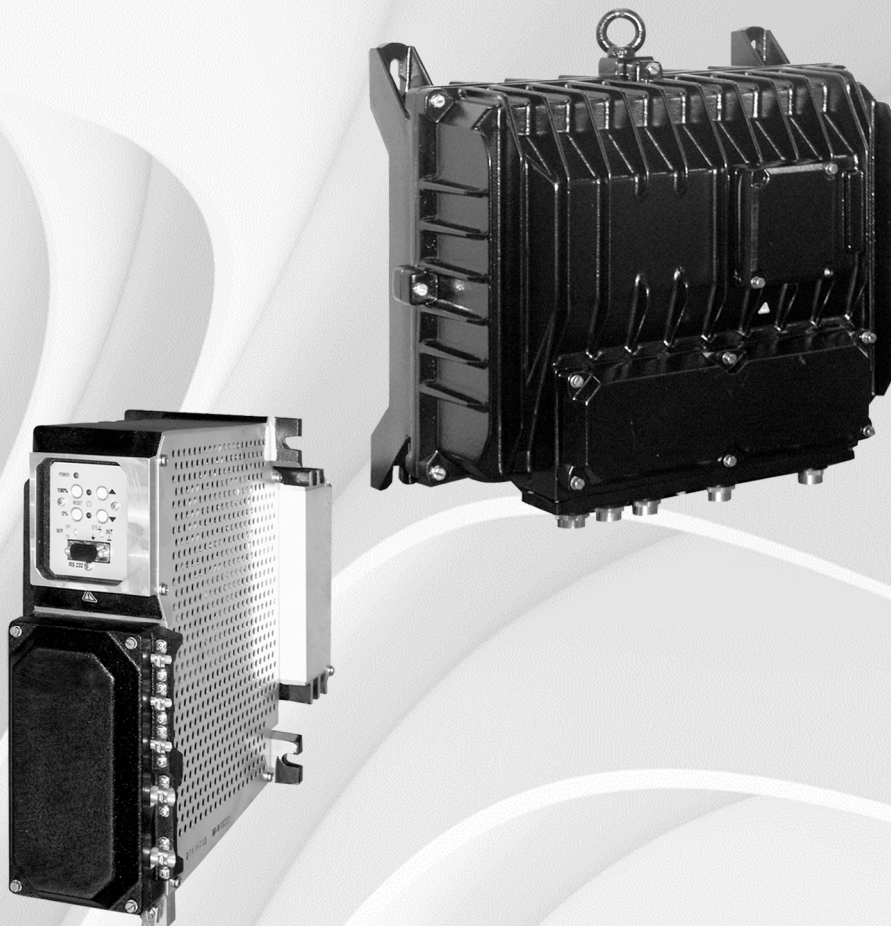

ABB MEASUREMENT & ANALYTICS | DATA SHEET

Contrac electronic unit

Customer specific settings





Ordering Information

Contrac electronic unit	Code
Bus tag	
No bus tag (standard)	-
Bus tag HART / FSK Bus (max. 8 characters)	146
Bus address fieldbus (max. 3 characters)	147
Torque / Force setting	
100 % torque / force to + direction (standard)	-
75 % torque / force to + direction	149
50 % torque / force to + direction	150
100 % torque / force to - direction	-
75 % torque / force to - direction	152
50 % torque / force to - direction	153
Speed (°/s - mm/s)	
Standard see data sheet of actuator	-
AUT speed + direction (.....)	154
AUT speed - direction (.....)	155
MAN speed (.....)	156
Rapid traverse speed (.....)	157
Behavior in 100 % end position	
Keep toght with 1x rated torque / force (standard)	-
Position dependent switch-off	161
Limit for position dependent switch-off (.....) (permitted 80 % to 100 %)	162
Torque dependent switch-off with 1x rated torque / force	163
Torque dependent switch-off with 2x rated torque / force	164
Behaviour in 0 % end position	
Keep toght with 1x rated torque / force (standard)	-
Position dependent switch-off	166
Limit for position dependent switch-off (.....) (permitted 0 % to 20 %)	167
Torque dependent switch-off with 1x rated torque / force	168
Torque dependent switch-off with 2x rated torque / force	169
Breakaway with increased torque / force in end positions	
No breakaway (Standard)	-
Breakaway in 0 % end position	170
Breakaway in 100 % end position	171
Breakaway in 0 % and 100 % end position	172
Position to switch back to rated value (.....%) (permitted 0 % to 5 %)	173
Close tight (no positioning close to end position)	
Positioning close to end position (standard)	-
Close tight	175
Position limit to close tight (.....%) (permitted 1 % to 10 % or 90% to 99 %)	176
Digital input (not available with PROFIBUS DP communication)	
OFF	177
Manual override (standard)	-
Rapid traverse mode	179
Stepp controller commands	180

... Ordering Information

Contrac electronic unit	Code
Digital output (one signal each for 1 output; not available with PROFIBUS DP communication)	
BA1 (.....) ready for operation	181
BA2 (.....) signal end position 0 %	182
BA3 (.....) signal end position 100 %	183
Collective disturbance message	184
Collective alarm	185
Local operation	186
Signal limit 1; rising	187
Signal limit 1; falling limit = (..... %) (permitted % to 10%; stand. 10 %)	188
Signal limit 2; rising	189
Signal limit 2; falling limit = (.....%) (permitted % to 10 %; standard 90 %)	190
Hysteresis for 1 + 2 = (..... %) (permitted % to 10 %; standard 90 %)	
Control of external rapid traverse motor (+ direction)	191
Control of external rapid traverse motor (- direction)	192
Set point selection	
Analogue set point (not available with PROFIBUS DP communication)	-
Digital set point	211
Set point range (not available with PROFIBUS DP communication)	
Set point start (standard: 4.0 mA) start < end mA permitted 0 to 20 mA	212
Set point end (standard: 20.0 mA) start > end mA permitted 0 to 20 mA	213
Set point monitoring (not available with PROFIBUS DP communication)	
Without monitoring of analogue set point (standard)	-
With monitoring of analogue set point	215
Upper limit mA (permitted 20 to 25 mA)	
Lower limit mA (permitted 1 to 5 mA)	
Behaviour in case of set point or communication failure	
Locking in last position (standard)	-
Positioning / closed loop control with last set point	219
Drive to safety position	220
Safety position:% (permitted 0 to 100 %)	221
Actual value range (not available with PROFIBUS DP communication)	
Actual value 4 to 20 mA (standard)	-
Actual value 0 to 20 mA	230
Failure message via actual value (not available with PROFIBUS DP communication)	
No failure message via actual value (standard)	-
Failure message via actual value 'signal high'	232
Failure message via actual value 'signal low'	233
Upper signal limit (standard 21.5 mA) mA (permitted 20 mA to 25 mA)	234
Lower signal limit (standard 3.5 mA) mA (permitted 1 mA to 5 mA)	235
Positioning loop monitoring	
Positioning loop monitoring OFF (standard)	-
Positioning loop monitoring ON	237
Positioning / Controller	
Operation as positioner (standard)	-
Operation as process controller	239
Conventional process controller operation	240
Reciprocal process controller operation	241
No integrating end position behavior	242
Integrating end position behavior	243

Contrac electronic unit	Code
Re-start behavior	
AUT after voltage recovery (standard)	-
MAN after voltage recovery	237
Rapid traverse	
No rapid traverse (standard)	-
Rapid traverse with servo motor	418
Monitoring of process transmitter signal	
Perm upper limit (standard 21.0 mA) mA (permitted 20 mA to 25 mA)	246
Perm lower limit (standard 21.0 mA) mA (permitted 1 mA to 5 mA)	247
Non-standard version (standard: no remark) 68-..... /	
Non-standard no of electronic unit	248
Non-standard no of actuator	249
Setpoint characteristic selection	
Linear (standard)	-
Equal percentage 25 %	223
Equal percentage 50 %	224
Programmable characteristic (see table below for values)	225
Split Range	226
Values for split range (only with Code No. 226)	
Start value for split range	227
End value for split range	228

... Ordering Information

Notice

The pairs of values 0 % / 100 % and 100 % / 100% are pre-set. All other entered values for set point and actual value must be higher than the previous one.

	Set point (%)	Action value (%)
1	0	0
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22	100	100

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