

CBL35C Series

Electric Cylinder with Built-in Controller

The 35 mm diameter CBL35C electric cylinder actuator with built-in controller in a single package allows simple installation and effective use of space. The CBL35C provides significantly longer life, programmability, high speed, accuracy and energy efficiency while remaining price-competitive.

Our Graphical User Interface is also available for the built-in controller for easy, straightforward setup of parameters. It allows you to change product profiles on the fly and improves factory uptime.

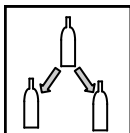
CBL35C Series

Dimensions [mm]:	Ø35 x 135 - 217 (depending on stroke)
Stroke [mm]:	10, 15 & 25 +1/-0
Peak Force [N]:	up to 61
Encoder Resolution [µm]:	5 standard, 1 optional

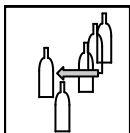
Electric Cylinder with Built-in Controller
SMAC's Patented 'Soft-Land' Technology



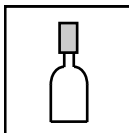
Applications



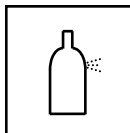
Sorting
Diverting



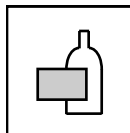
Rejecting



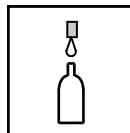
Nitrogen Dosing



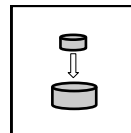
Leak Detection



Labelling

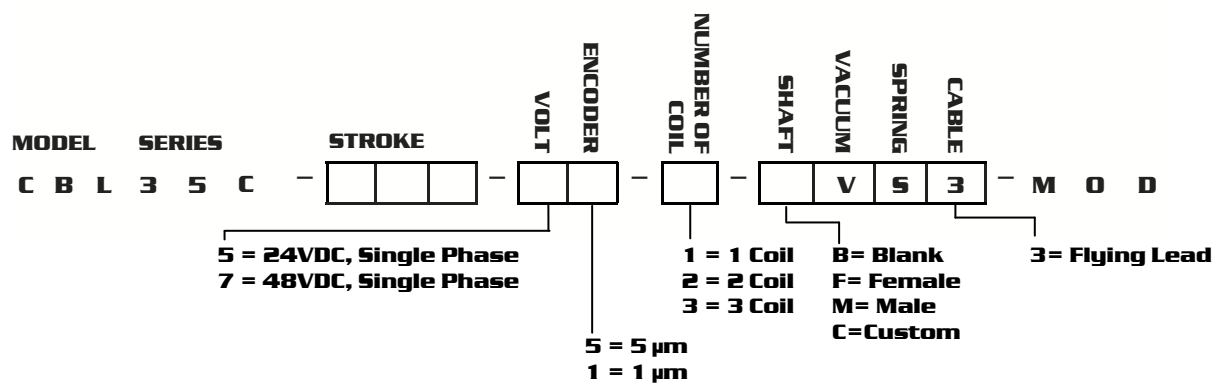


Filling



Assembly

PART NUMBERING



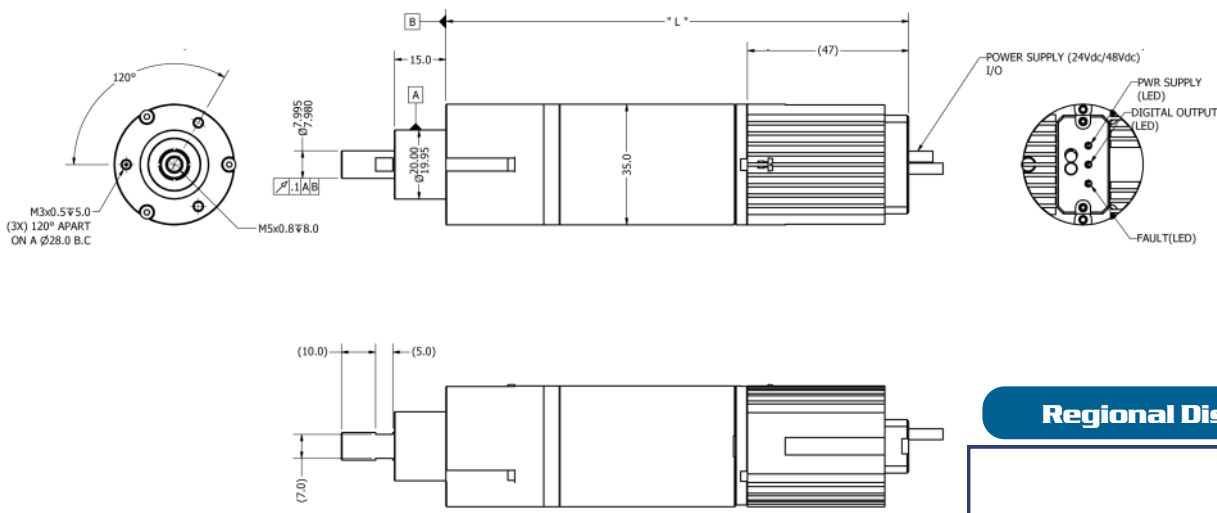
SPECIFICATION

Model	Voltage [DC]	Size: Dia. x L [mm]	Stroke [mm]	Peak Force [N]	Cont. Force [N]	Force Constant [N/A]	Max. Current [Amp]	Moving Mass [kg]	Weight [kg]
CBL35C-010-55-1	24	Ø35x135	10	15	6	9	1.5	0.04	0.45
CBL35C-010-55-3	24	Ø35x217	10	34	13.6	14.8	2.2	0.1	0.95
CBL35C-010-75-1	48	Ø35x135	10	22	8.8	13.4	1.6	0.04	0.45
CBL35C-010-75-3	48	Ø35x217	10	68	27	15	4.3	0.1	0.95
CBL35C-015-55-1	24	Ø35x140	15	10	4	7	1.5	0.06	0.5
CBL35C-025-55-2	24	Ø35x150	25	8.5	3.4	5.8	1.5	0.06	0.6
CBL35C-025-75-1	48	Ø35x150	25	14	5.6	8.8	1.6	0.06	0.6

CBC Controller

1	Ambient operating temperature	0C to 70C (motor housing temp.)
2	LED display (GREEN)	Power on, Fault, Digital output
3	Communication interface	RS-232
4	2 PLC level, non-isolated digital input	Single end 24V level input, impedance 140k, 48V tolerant
5	2 Open drain digital output	500mA sink capacity
6	1 Analog input (single end)	0 -5V
7	Power supply input	8Vdc – 48Vdc
8	Encoder interface	TTL differential
9	Motor interface	Brush, and Brushless
10	Maximum peak phase current	4 A (rms) @ 1s
11	Maximum continuous phase current	1.5 A (rms)
12	Flash memory	1024Kb
13	Protection	Over temperature, over current, Overload, Reverse polarity connection

DIMENSIONS (CBL35C Series)



Regional Distributor



SMAC Headquarters
www.smac-mca.com
 5807 Van Allen Way, Carlsbad, CA 92008
 Tel: 760-929-7575 | Fax: 760-929-7588
 Email: info@smac-mca.com

Specifications subject to change without notice.