

CR101H, CR101Y manual motor starters

Single-phase, non-combination

1 Hp maximum @ 115V or 230V

3/4 Hp maximum @ 277V for 2-pole forms

25-60 Hz

CR101H, CR101Y

Open starters include an unmounted nameplate. Heaters can be selected from the table at right and ordered as a separate item. One heater is required per starter (two for 2-speed forms and for combination starter CR101H13).

Toggle-operated nonreversing open¹

No. of Poles	Product Number
1	CR101Y ²
2	CR101H ²

¹For flush or outlet box mounting.

²Units are individually boxed and "Poly-Packed" 10 per carton as standard.

Toggle-operated nonreversing enclosed NEMA type 1³

No. of Poles	Indicating Light	Product Number
1	No	CR101Y1 ²
2	No	CR101H1 ²
1	Yes	CR101Y11 ⁴
2	Yes	CR101H11 ⁴

³Units are individually boxed and "Poly-Packed" 10 per carton as standard.

⁴Surface mounting.

⁵Includes a 115/230-Volt neon lamp(s). Not available at 277 Volts.

Lever-operated nonreversing enclosed NEMA type 3/4/12

No. of Poles	Hubs	Product Number
1	3/4-inch Hub on One End	CR101Y400H
1	3/4-inch Hub on One End	CR101H400H
2	3/4-inch Hub on Both Ends	CR101Y400J
2	3/4-inch Hub on Both Ends	CR101H400J

⁶Includes a 115/230-Volt neon lamp(s). Not available at 277 Volts.

Multi-speed enclosed NEMA type 1 surface mount

No. of Poles	Indicating Light	Product Number
1	None	CR101Y600B
1	Two	CR101Y610B ⁴
2	None	CR101H600B
2	Two	CR101H610B ⁴

⁷Includes a 115/230-Volt neon lamp(s). Not available at 277 Volts.

Multi-speed enclosed NEMA type 1 gray flush-plate

No. of Poles	Indicating Light	Product Number
1	None	CR101Y600A
1	Two	CR101Y610A ⁴
2	None	CR101H600A
2	Two	CR101H610A ⁴

⁸Includes a 115/230-Volt neon lamp(s). Not available at 277 Volts.

Multi-speed enclosed NEMA type 1 stainless-steel flush-plate

No. of Poles	Indicating Light	Product Number
1	None	CR101Y608A
1	Two	CR101Y618A ⁴
2	None	CR101H608A
2	Two	CR101H618A ⁴

⁹Includes a 115/230-Volt neon lamp(s). Not available at 277 Volts.

Combination device enclosed NEMA type 1

No. of Poles	Description	Product Number
2	CR101H + Base Unit HOA	CR101H12
2	2 (CR101H)	CR101H13

Overload heater units for CR101H, Y

All CR123H heaters are packaged as single units.

The table below gives a proper size heater to trip the switch on approximately 125 percent motor current.

Listed values are for motors with 1.15-1.25 service factor. For motors with 1.0 service factor continuously, multiply full-load current of motor by 0.9 and use this value to select heater. Contact nearest ABB Representative for recommendation on heaters to be used with definite-purpose motors. If motor full-load Amperes falls between two ratings, select heater for the highest of those two.

For 1.35 service factor motors, multiply full-load current of motor by 1.15 and use this value to select heater(s).

Maximum Motor Full-Load Amperes	Heater Product Number
.48	CR123H055A
.53	CR123H061A
.58	CR123H067A
.65	CR123H074A
.71	CR123H082A
.78	CR123H090A
.86	CR123H099A
.95	CR123H108A
1.04	CR123H120A
1.14	CR123H132A
1.25	CR123H144A
1.37	CR123H158A
1.49	CR123H172A
1.63	CR123H188A
1.78	CR123H205A
1.95	CR123H224A
2.13	CR123H245A
2.32	CR123H267A
2.53	CR123H291A
2.76	CR123H317A
3.01	CR123H346A
3.27	CR123H377A
3.56	CR123H410A
3.88	CR123H446A
4.22	CR123H486A
4.60	CR123H529A
5.00	CR123H575A
5.43	CR123H625A
5.90	CR123H680A
6.41	CR123H739A
6.98	CR123H802A
7.60	CR123H873A
8.25	CR123H950A
8.95	CR123H103B
9.75	CR123H112B
10.6	CR123H122B
11.4	CR123H132B
12.5	CR123H144B
13.6	CR123H157B
14.8	CR123H171B
16.0	CR123H186B

Maximum horsepower ratings-AC or DC continuous carry-16 amperes

Product Number	No. of Poles	Horsepower @ 32 V AC	Horsepower @ 115 V AC	Horsepower @ 230 V AC	Horsepower @ 277 V AC	Horsepower @ 115 V DC	Horsepower @ 230 V DC
CR101Y	1	1/4	1	1	—	1	1/4
CR101H	2	1/4	1	1	3/4	1	1