

Euclid™ Power Limit Switches

Price List 4220 • January 2021, Replaces Dec 2016

4220

Discount Code ES

AC Power Limit Switches (w/o Weight and Cable)

| Limit Switch Type | With "EBA" ¹ | Continuous Current Amps | Size | MAX HP at 220 VAC | MAX HP at 440-550 VAC | Right Hand Operator Part No. | Left Hand Operator Part No. | List Price |
|-------------------------|-------------------------|-------------------------|------|-------------------|-----------------------|------------------------------|-----------------------------|-----------------------|
| 2 Pole Simplex (2 N.C.) | No | 45 | 2 | 20 | 40 | HC71221-005 | HC81221-005 | \$10,774 |
| | | 90 | 3 | 40 | 75 | HC72531-005 | HC81231-005 | \$12,020 ² |
| | | 135 | 4 | 50 | 100 | HC71241-004 | HC81241-004 | \$23,928 |
| | | 270 | 5 | 100 | 200 | HC71251-003 | HC81251-003 | \$33,416 |
| | | 540 | 6 | 200 | 400 | HC71261-008 | HC81261-008 | \$75,826 |
| | Yes | 45 | 2 | 20 | 40 | HC71221-033 | HC81221-033 | \$13,798 |
| | | 90 | 3 | 40 | 75 | HC72531-033 | HC81231-033 | \$15,044 ² |
| | | 135 | 4 | 50 | 100 | HC71241-033 | HC81241-033 | \$23,776 |
| | | 270 | 5 | 100 | 200 | HC71251-033 | HC81251-033 | \$36,440 |
| | | 540 | 6 | 200 | 400 | HC71261-033 | HC81261-033 | \$78,850 |
| 4 Pole Duplex (4 N.C.) | No | 2 x 45 | 2 | 2 x 20 | 2 x 40 | HC71221-301 | | \$24,002 |
| | | 2 x 90 | 3 | 2 x 40 | 2 x 75 | HC72531-301 | | \$26,498 ² |
| | | 2 x 135 | 4 | 2 x 50 | 2 x 100 | HC71241-302 | | \$47,212 |
| | | 2 x 270 | 5 | 2 x 100 | 2 x 200 | HC71251-302 | | \$73,180 |
| | | 2 x 540 | 6 | 2 x 200 | 2 x 400 | HC71261-304 | | \$147,760 |
| | Yes | 2 x 45 | 2 | 2 x 20 | 2 x 40 | HC71221-304 | | \$30,052 |
| | | 2 x 90 | 3 | 2 x 40 | 2 x 75 | HC71531-303 | | \$32,546 |
| | | 2 x 135 | 4 | 2 x 50 | 2 x 100 | HC71241-305 | | \$53,260 |
| | | 2 x 270 | 5 | 2 x 100 | 2 x 200 | Consult Factory ² | | \$79,228 |
| | | 2 x 540 | 6 | 2 x 200 | 2 x 400 | | | \$153,808 |
| 2 Pole (2 NO/NC) | No | 45 | 2 | 15 | 20 | HC71221-001 | HC81221-001 | \$11,454 |
| 3 Pole (3 N.C.) | No | 135 | 4 | 50 | 100 | HC71241-010 | HC81241-010 | \$27,064 |
| | | 270 | 5 | 100 | 200 | HC71251-010 | HC81251-010 | \$40,598 |

Weight and Cable (Use for both AC and DC Switches)

| Size | Simplex | | | | Duplex | | | |
|----------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| | 2 and 3 | 4 | 5 | 6 & 6A | 2 and 3 | 4 | 5 | 6 & 6A |
| Part Number HC71197- | 001 | 002 | 003 | 004 | 102 | 003 | 004 | 105 |
| List Price | \$832 | \$1,058 | \$1,966 | \$2,420 | \$1,058 | \$1,966 | \$2,420 | \$4,310 |

¹ "EBA" Early Break Auxiliary (D.P.D.T.)

² Not CSA Listed

Consult factory for NEMA Size 6 ratings and availability.

DC Power Limit Switches (w/o Weight and Cable)

| Limit Switch Type | With "EBA" ¹ | Voltage | Continuous Current Amp | Size | MAX HP at rated VDC | Right Hand Operator Part No. | Left Hand Operator Part No. | List Price |
|------------------------------|-------------------------|---------|------------------------|------|----------------------|------------------------------|-----------------------------|-----------------------|
| 2 Pole Simplex (2 N.O./N.C.) | No | 230 VDC | 45 | 2 | 13 ² | HC71221-001 | HC81221-001 | \$11,454 |
| | | | 90 | 3 | 26 ² | HC72531-001 | HC81231-001 | \$13,872 ³ |
| | | | 135 | 4 | 50 | HC71241-001 | HC81241-001 | \$22,416 |
| | | | 270 | 5 | 110 ² | HC71251-001 | HC81251-001 | \$37,762 |
| | | | 540 | 6 | 225 ² | HC71261-001 | HC81261-001 | \$95,420 |
| | | | 720 | 6A | 265 | HC71261-003 | HC81261-003 | \$103,724 |
| | | 550 VDC | 13.6 | 2 | 10 | HC71221-xxx | HC81221-xxx | \$11,454 |
| | | | 43 | 3 | 25 | HC72531-xxx | HC81231-xxx | \$13,872 ³ |
| | | | 83 | 4 | 50 | HC71241-xxx | HC81241-xxx | \$22,416 |
| | | | 164 | 5 | 100 | HC71251-xxx | HC81251-xxx | \$37,762 |
| | Yes | 230 VDC | 45 | 2 | 13 ² | HC71221-032 | HC81221-032 | \$14,478 |
| | | | 90 | 3 | 26 ² | HC72531-032 | HC81231-032 | \$16,896 ³ |
| | | | 135 | 4 | 50 ² | HC71241-032 | HC81241-032 | \$25,440 |
| | | | 270 | 5 | 110 ² | HC71251-032 | HC81251-032 | \$40,786 |
| | | | 540 | 6 | 225 ² | HC71261-032 | HC81261-032 | \$77,944 |
| | | | 720 | 6A | 265 | HC71261-033 | HC81261-033 | \$103,724 |
| | | 550 VDC | 13.6 | 2 | 10 | HC71221-031 | HC81221-031 | \$14,478 |
| | | | 43 | 3 | 25 | HC72531-031 | HC81231-031 | \$16,708 ³ |
| | | | 83 | 4 | 50 | HC71241-031 | HC81241-031 | \$25,440 |
| | | | 164 | 5 | 100 | HC71251-031 | HC81251-031 | \$40,786 |
| 4 Pole Duplex (4 N.O./N.C.) | No | 230 VDC | 2 x 45 | 2 | 2 x 13 ² | Consult Factory | | \$25,364 |
| | | | 2 x 90 | 3 | 2 x 26 ² | Consult Factory | | \$30,202 ³ |
| | | | 2 x 135 | 4 | 2 x 50 | HC71241-301 | | \$50,576 |
| | | | 2 x 270 | 5 | 2 x 110 ² | HC71251-301 | | \$81,874 |
| | | | 2 x 540 | 6 | 2 x 225 ² | HC71261-301 | | \$166,240 |
| | | | 2 x 720 | 6A | 2 x 265 | HC71261-302 | | \$193,612 |
| | | 550 VDC | 2 x 13.6 | 2 | 2 x 10 | Consult Factory | | \$25,364 |
| | | | 2 x 43 | 3 | 2 x 25 | Consult Factory | | \$30,202 ³ |
| | | | 2 x 83 | 4 | 2 x 50 | Consult Factory | | \$50,576 |
| | | | 2 x 164 | 5 | 2 x 100 | Consult Factory | | \$81,874 |
| | | | 2 x 330 | 6 | 2 x 200 | Consult Factory | | \$166,240 |
| | | | | | | | | |

See front page for weight and cables.

¹ "EBA" Early Break Auxiliary (D.P.D.T.). See Page 3 for description.

² These sizes exceed NEMA Standard Ratings

³ Not CSA Listed

See page 3 for Limit Switch Resistors.

Type 3003 DC Limit Switches Resistors

230-250 VDC, T.E.N.V. Enclosed

For Use with Dynamic Lowering Hoists

| HP Range | Part Number | List Price |
|-----------|-------------|------------|
| 5 – 10 | HC69453-069 | \$1,764 |
| 11 – 13.5 | HC69453-070 | \$2,382 |
| 14 – 26 | HC69453-071 | \$2,382 |
| 27 – 33 | HC69453-072 | \$2,910 |
| 34 – 45 | HC69453-073 | \$2,910 |
| 46 – 65 | HC69453-074 | \$2,910 |
| 66 – 100 | HC69453-075 | \$3,176 |
| 101 – 135 | HC69453-076 | \$3,616 |
| 136 – 200 | HC69453-077 | \$5,028 |
| 201 – 265 | HC69453-078 | \$5,998 |

| How to Order Specify the Follow: | |
|-------------------------------------|---|
| A | Limit Switch Part Number and description |
| B | Weight and cable part number (if required) |
| C | Voltage and Horsepower |
| D | Modifications |
| E | Power Limit Switch resistor (DC Only), part number and H.P. |

Note: Duplex DC Power Limit Switches require two sets of L.S. Resistors.

MODIFICATIONS

| Description | List Price |
|--|------------|
| Conduit Box: | |
| Size 2 & 3 | \$2,268 |
| Size 4 & 5 | \$3,024 |
| Size 6 & 6A | \$4,536 |
| SPDT Control Circuit Interlock (Not EBA) | \$1,512 |
| NEMA 4 Watertight Construction | \$17,388 |
| NEMA 7 Class 1 Grps: C or D, Div 1 or 2 Explosion-Proof Construction | \$18,900 |

“EBA” Early Break Auxiliary Application Note

Euclid “EBA” power limit switches are designed for special use with crane hoists that are controlled with AC variable frequency or DC adjustable voltage. The switches are furnished with a double pole double throw auxiliary which operates prior to the power contacts, thus providing a signal to turn off the drive before motor power interruption.

Refer to PL1201 for List Prices

DC Power Limit Switch Contact Kits

| Limit Switch Size | Type | Contact Kit Part Number |
|-------------------|--------|-------------------------|
| 2 | COPPER | HC59670-001 |
| 3 | SILVER | HC59670-002 |
| 4 | COPPER | HC59670-003 |
| 4 (optional) | SILVER | HC59670-004 |
| 5 | COPPER | HC59670-005 |
| 5 (optional) | SILVER | HC59670-006 |
| 6 | COPPER | HC59670-007 |
| 6A | SILVER | HC59670-008 |

DC Contact Kits consist of:

- 4 Stationary Contacts
- 4 Fingers with Springs
- Hardware

AC Power Limit Switch Contact Kits

| Limit Switch Size | Type | Number Poles | Contact Kit Part Number |
|-------------------|--------|--------------|-------------------------|
| 2 | COPPER | 2 | HC59671-101 |
| 3 | SILVER | 2 | HC59671-102 |
| 4 | COPPER | 2 | HC59671-103 |
| 4 (optional) | SILVER | 2 | HC59671-104 |
| 5 | COPPER | 2 | HC59671-105 |
| 5 (optional) | SILVER | 2 | HC59671-106 |
| 6 | COPPER | 2 | HC59671-107 |
| 6 (optional) | SILVER | 2 | HC59671-108 |
| 2 | COPPER | 3 | HC59671-109 |
| 3 | SILVER | 3 | HC59671-110 |
| 4 | COPPER | 3 | HC59671-111 |
| 4 (optional) | SILVER | 3 | HC59671-112 |
| 5 | COPPER | 3 | HC59671-113 |
| 5 (optional) | SILVER | 3 | HC59671-114 |

AC Contact Kits consist of:

- 2 or 3 Stationary Contacts
- 2 or 3 Fingers with Springs
- Hardware

**AC and DC Limit Switch Arc Shields
 (One Required Per Pole)**

| Limit Switch Size | Arc Shield Part Number |
|-------------------|------------------------|
| 2 & 3 | 36242-000 |
| 4 | 42562-000 |
| 5 | 42563-000 |
| 6 & 6A | 32496-000 |

AC Limit Switches require 2 or 3 Arc Shields

DC Limit Switches require 2 Arc Shields



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