

Circuit Breaker Box & Motor Starter ECN Series

Wet Locations
NEMA 3,3R,4,4X,7

❖ Type of Explosion-proof Flameproof (Ex d IIB T6)

| Enclosure | SS | MS | LS | EL |
|-----------|-----|------|------|------|
| A | 250 | 320 | 500 | 500 |
| B | 350 | 540 | 510 | 750 |
| C | 200 | 250 | 310 | 305 |
| D | 550 | 790 | 820 | 1055 |
| E | 750 | 1040 | 1130 | 1360 |
| F | 270 | 330 | 550 | 550 |
| G | 280 | 440 | 450 | 690 |
| H | 190 | 220 | 255 | 270 |

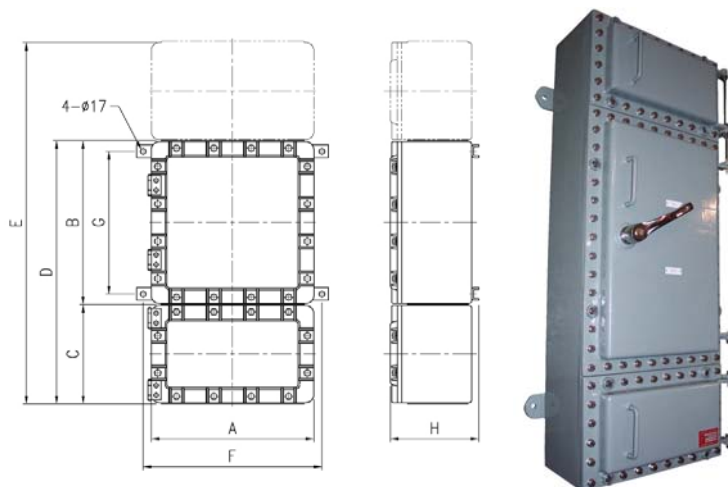
* SS : Small Size, MS : Middle Size,
LS : Large Size, EL : Extra Large

❖ Features

- The bodies on the main enclosure and terminal boxes are accurately machined to rectangular shape, and each of them and their covers are closely fitted with plain flanged joints.
- The operating mechanism for the handle of circuit breaker interior is secure and smooth.
- The operating rod is machined to the required tolerance, and an O-ring is provided for preventing water and dust coming into the joint.
- The circuit breakers interior have automatic quick break mechanism for protection of over current and short-circuit current. These are the most suitable for the switching and protection of general circuits.
- The through pattern units having terminal boxes on top and bottom are supplied as standard. Alternatively Terminal Pattern units having a terminal box at top or bottom are available for up to 600A rating in 600A frame size.

❖ Standard Finish

- MUNSELL No. 7.5BG 6/1.5
- If you want another color, contact us please.



| Breaker Frame (AF) | | 30 | 50 | 60 | 100 | 225 | 400 | 600 |
|--|--------|--------------|--------------|--------------|----------|----------|-----------|-----------|
| Number of poles | | 2, 3 | 2, 3, 4 | 2, 3, 4 | 2, 3, 4 | 2, 3, 4 | 2, 3, 4 | 2, 3, 4 |
| Rated Voltage (V) | AC | 600 | 600 | 600 | 600 | 600 | 600 | 600 |
| | DC | 250 | 250 | 250 | 250 | 250 | 250 | 250 |
| Rated Current (A) at Ambient Temp. 40°C | | 5 | 5 | 60 | 15 | 100 | 250 | 500 |
| | | 10 | 10 | | 20 | 125 | 300 | 600 |
| | | 15 | 15 | | 30 | 150 | 350 | |
| | | 20 | 20 | | 40 | 175 | 400 | |
| | | 30 | 30 | | 50 | 200 | | |
| | | | 40 | | 60 | 225 | | |
| | | | 50 | | 75 | | | |
| | | | | | 100 | | | |
| Rated Interrupting capacity (KA) | 220VAC | 5 | 10 | 10 | 22 | 30 | 42 | 100 |
| | 460VAC | 2.5 | 5 | 5 | 10 | 22 | 30 | 50 |
| | 600VAC | 1.5 | 2.5 | 2.5 | 5 | 14 | 25 | 35 |
| | 250VDC | 2.5 | 5 | 5 | 5 | 20 | 40 | 40 |
| Enclosure Type | | SS | SS | SS | SS | MS | LS | EL |
| Catalog No. | | ECN 8310 | ECN 8311 | ECN 8312 | ECN 8313 | ECN 8314 | ECN 8315 | ECN 8316 |
| Max. Conduit Size | | 1-1/2" (42C) | 1-1/2" (42C) | 1-1/2" (42C) | 2" (54C) | 3" (82C) | 4" (104C) | 4" (104C) |
| Max. Conductor Size (mm ²) | | 14 | 14 | 14 | 38 | 150 | 250 | 150 X 2 |