

3SUP-H□H-ER

| Safety Agency : Standard | File No.  |
|--------------------------|-----------|
| UL : UL-1283             | E78644    |
| CSA : C22.2, No. 8-M1986 | LR60681   |
| TUV :EN133200            | R50056158 |

The "ENCE" mark is a common European product certification mark based on testing to harmonised European safety standard.

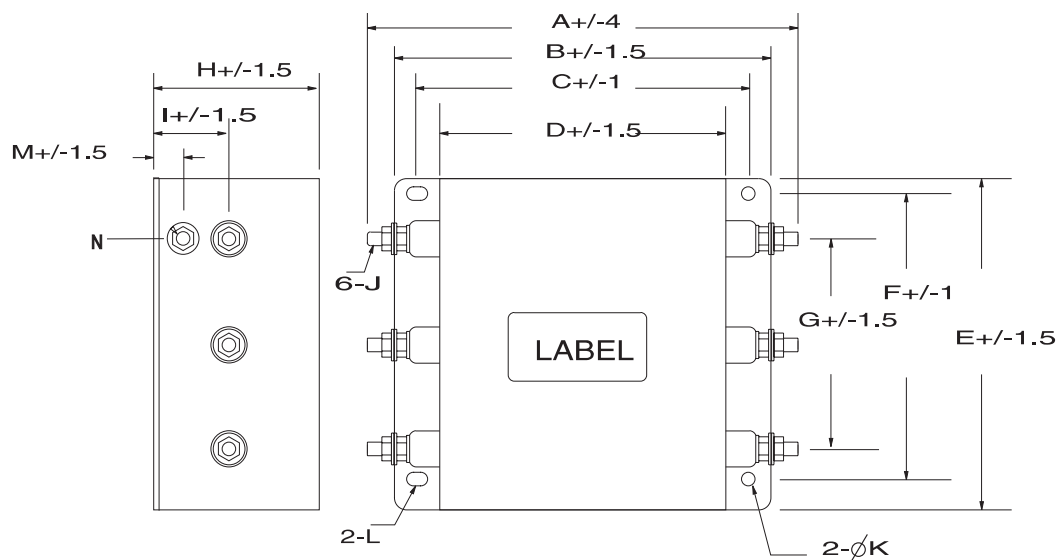
## 3SUP-H□H-ER

## ELECTRICAL SPECIFICATIONS

| Safety Standard                                                                                                                                                                                                                                                                | Model number    | Rated current (A) | Test voltage                                | Insulation resistance                       | Leakage current (max.)               | Voltage drop (max.) | Temperature rise (max.) | Operating temp. range (°C) |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------|---------------------------------------------|---------------------------------------------|--------------------------------------|---------------------|-------------------------|----------------------------|
| <div><br/><br/></div> | 3SUP-H5H-ER-4   | 5                 | Line to Line<br>1000Vrms<br>50/60Hz 60sec   | Line to Ground<br>6000MΩ min<br>(at 500VDC) | 1.0mA<br><br>(at 250Vrms<br>50/60Hz) | 1.0Vrms             | 30°C                    | -25 to 50                  |
|                                                                                                                                                                                                                                                                                | 3SUP-H10H-ER-4  | 10                |                                             |                                             |                                      |                     |                         |                            |
|                                                                                                                                                                                                                                                                                | 3SUP-H20H-ER-4  | 20                | Line to Ground<br>2000Vrms<br>50/60Hz 60sec |                                             |                                      |                     |                         |                            |
|                                                                                                                                                                                                                                                                                | 3SUP-H30H-ER-4  | 30                |                                             |                                             |                                      |                     |                         |                            |
|                                                                                                                                                                                                                                                                                | 3SUP-H50H-ER-4  | 50                |                                             |                                             |                                      |                     |                         |                            |
|                                                                                                                                                                                                                                                                                | 3SUP-H75H-ER-4  | 75                |                                             |                                             |                                      |                     |                         |                            |
|                                                                                                                                                                                                                                                                                | 3SUP-H100H-ER-4 | 100               |                                             |                                             |                                      |                     |                         |                            |

## MECHANICAL DIMENSIONS

All Dimensions mm



## DIMENSIONS

| Model           | A   | B   | C   | D   | E   | F   | G   | H   | I  | J   | K    | L         | M  | N  |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|------|-----------|----|----|
| 3SUP-H5H-ER-4   | 128 | 125 | 110 | 95  | 110 | 95  | 70  | 55  | 25 | M 4 | Ø4.5 | 4.5 X 7.0 | 10 | M4 |
| 3SUP-H10H-ER-4  | 188 | 160 | 145 | 130 | 110 | 95  | 70  | 55  | 25 | M 5 | Ø4.5 | 4.5 X 7.0 | 10 | M4 |
| 3SUP-H20H-ER-4  | 228 | 200 | 185 | 170 | 110 | 95  | 70  | 60  | 30 | M 5 | Ø4.5 | 4.5 X 7.0 | 10 | M4 |
| 3SUP-H30H-ER-4  | 228 | 200 | 185 | 170 | 110 | 95  | 70  | 60  | 30 | M 6 | Ø4.5 | 4.5 X 7.0 | 10 | M4 |
| 3SUP-H50H-ER-4  | 272 | 240 | 220 | 200 | 140 | 110 | 80  | 80  | 40 | M 6 | Ø6.5 | 6.5 X 8.0 | 15 | M4 |
| 3SUP-H75H-ER-4  | 312 | 280 | 260 | 240 | 180 | 150 | 120 | 80  | 40 | M 8 | Ø6.5 | 6.5 X 8.0 | 15 | M6 |
| 3SUP-H100H-ER-4 | 342 | 300 | 280 | 260 | 180 | 150 | 120 | 100 | 50 | M10 | Ø6.5 | 6.5 X 8.0 | 15 | M6 |

## STATIC CHARACTERISTICS - INSERTION LOSSES (dB) - 50Ω

| Part Number     | Mode        | Frequency - Megahertz |     |     |     |    |    |    |     |     |
|-----------------|-------------|-----------------------|-----|-----|-----|----|----|----|-----|-----|
|                 |             | 0.15                  | 0.5 | 1.0 | 5.0 | 10 | 30 | 50 | 100 | 300 |
| 3SUP-H5H-ER-4   | NORMAL, L-L | 52                    | 81  | 70  | 56  | 52 | 52 | 47 | 26  | 28  |
|                 | COMMON, L-G | 45                    | 38  | 36  | 36  | 40 | 45 | 28 | 36  | 39  |
| 3SUP-H10H-ER-4  | NORMAL, L-L | 45                    | 85  | 95  | 74  | 75 | 55 | 55 | 40  | 21  |
|                 | COMMON, L-G | 38                    | 43  | 41  | 42  | 43 | 38 | 38 | 43  | 30  |
| 3SUP-H20H-ER-4  | NORMAL, L-L | 46                    | 88  | 102 | 89  | 61 | 57 | 22 | 23  | 33  |
|                 | COMMON, L-G | 46                    | 34  | 32  | 32  | 35 | 41 | 32 | 18  | 34  |
| 3SUP-H30H-ER-4  | NORMAL, L-L | 31                    | 75  | 93  | 68  | 62 | 61 | 50 | 38  | 32  |
|                 | COMMON, L-G | 21                    | 40  | 43  | 45  | 48 | 40 | 40 | 46  | 29  |
| 3SUP-H50H-ER-4  | NORMAL, L-L | 31                    | 74  | 87  | 67  | 61 | 65 | 28 | 29  | 29  |
|                 | COMMON, L-G | 19                    | 32  | 35  | 42  | 48 | 35 | 19 | 18  | 31  |
| 3SUP-H75H-ER-4  | NORMAL, L-L | 22                    | 75  | 85  | 66  | 58 | 53 | 30 | 33  | 26  |
|                 | COMMON, L-G | 19                    | 20  | 23  | 41  | 48 | 23 | 25 | 23  | 23  |
| 3SUP-H100H-ER-4 | NORMAL, L-L | 25                    | 74  | 77  | 53  | 48 | 48 | 29 | 36  | 22  |
|                 | COMMON, L-G | 12                    | 28  | 31  | 36  | 43 | 29 | 30 | 28  | 19  |