



# TDS<sub>SERIES</sub>

## GENERAL 3-PHASE 3-WIRE FILTERS

### COMPONENTS

| PART NO.  | Leakage current<br>max mA | L<br>(mH) | L1<br>(mH)  | Cx<br>(uF)  | Cy<br>(nF) | R<br>(KΩ)  |
|-----------|---------------------------|-----------|-------------|-------------|------------|------------|
| •08TDS4W4 | 6.5                       | 4.2       | 1.5         | 1           | 15         | 470        |
| •24TDS4W4 |                           | 1         | 0.5         |             |            |            |
| PART NO.  | Leakage current<br>max mA | L<br>(mH) | ΣCx<br>(uF) | ΣCy<br>(uF) | R1<br>(MΩ) | R2<br>(MΩ) |
| 08TDS8    | 14.5                      | 7.6       | 1.6         | 0.17        | 2          | -          |
| 16TDS8    |                           | 5.2       | 3.4         |             | 1.5        | 1.1        |
| 36TDS8    | 160                       | 1.3       | 4.4         | 1.8         |            |            |

• UL, VDE approved

### MINIMUM INSERTION LOSS IN dB

| COMMON MODE (L-G) IN 50 OHM SYSTEM       |                   |                 |     |     |     |    |    |
|------------------------------------------|-------------------|-----------------|-----|-----|-----|----|----|
| TYPE                                     | CURRENT<br>RATING | FREQUENCY - MHz |     |     |     |    |    |
|                                          |                   | .15             | .50 | 1.0 | 5.0 | 10 | 30 |
| 08TDS4W4                                 | 8A                | 70              | 65  | 60  | 50  | 40 | 30 |
| 24TDS4W4                                 | 24A               | 40              | 65  | 70  | 70  | 60 | 35 |
| 08TDS8                                   | 8A                | 50              | 65  | 65  | 55  | 50 | 50 |
| 16TDS8                                   | 16A               | 45              | 70  | 65  | 55  | 50 | 50 |
| 36TDS8                                   | 36A               | 60              | 70  | 65  | 55  | 50 | 55 |
| DIFFERENTIAL MODE (L-L) IN 50 OHM SYSTEM |                   |                 |     |     |     |    |    |
| 08TDS4W4                                 | 8A                | 35              | 65  | 70  | 55  | 50 | 35 |
| 24TDS4W4                                 | 24A               | 15              | 60  | 65  | 65  | 60 | 40 |
| 08TDS8                                   | 8A                | 50              | 65  | 60  | 55  | 50 | 50 |
| 16TDS8                                   | 16A               | 50              | 70  | 65  | 55  | 55 | 50 |
| 36TDS8                                   | 36A               | 50              | 70  | 65  | 55  | 50 | 45 |

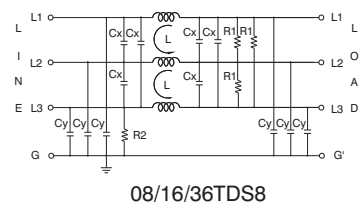
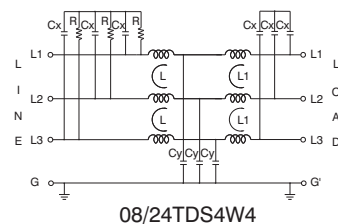
### SERIES DIMENSIONS

|   | 08TDS4W4 | 24TDS4W4 | 08TDS8 | 16TDS8 | 36TDS8 |
|---|----------|----------|--------|--------|--------|
| A | 145      | 180      |        | 200    |        |
| B | 135      |          | 115    |        |        |
| C | 75       | 115      |        | 150    |        |
| D | 55       | 100      |        | 136    |        |
| E | 45       | 60       |        | 65     |        |
| F | 16       |          | 18     |        |        |
| H | -        |          | 6.4    |        |        |
| I |          | 85       |        | 120    |        |
| J | M4X0.7   |          | M6X1.0 |        |        |
| K | 15       |          | 20     |        |        |
| L | 300      |          | -      |        |        |
| M | 6        |          | -      |        |        |
| N | 7X5.3    |          | -      |        |        |
| T |          |          | 0.8    |        |        |
| W | AWG18    | AWG16    |        | -      |        |

### INTRODUCTIONS

1. Applications: Electric equipment, UPS, machine tool, copy machine, automation equipment, robot, AC motor drive
2. Voltage rating: 480VAC
3. Operating frequency: 50/60Hz

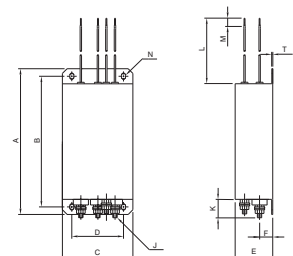
### ELECTRICAL SCHEMATIC



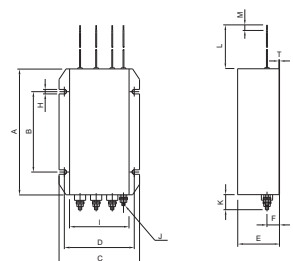
### MECHANICAL CONSTRUCTION



08TDS4W4



24TDS4W4



08/16/36TDS8

