

# COMBINED EFT & SURGE MAINS COUPLER/DECOUPLERS

## KeyTek Models CM-3CD-16 and CM-3CD-32\*

Semi-automatic, stand alone, three-phase AC/DC mains coupler/decouplers for EFT and Surge as specified by IEC 61000-4-4 Edition 2 and IEC 61000-4-5.

### WAVEFORMS

|  |   |
|--|---|
| <b>EFT</b>                                 | 5/50ns, per IEC 61000-4-4   |
| <b>Surge</b>                               | Combination wave: 1.2/50 $\mu$ s open-circuit voltage,<br>8/20 $\mu$ s short-circuit current, per IEC 61000-4-5 |
| <b>Maximum Surge Voltage &amp; Current</b> | 6.6kV, 3.3kA  |
| <b>Maximum EFT Voltage</b>                 | 4.4kV   |
| <b>Coupling Modes</b>                      |   |
| <b>EFT</b>                                 | L1, L2, L3, N or PE   |
| <b>Surge Hi</b>                            | L1, L2, L3 or N   |
| <b>Surge Lo</b>                            | L1, L2, L3, N or PE   |

### COUPLER/DECOUPLERS

|                   |   |       |      |
|-------------------|---|-------|------|
| <b>AC Voltage</b> | 50 to 250V, 50/60Hz line to ground, 50 to 433V line to line |       |      |
| <b>AC Current</b> |   |       |      |
| <b>CM-3CD-16</b>  | 16A/phase continuous  |       |      |
| <b>CM-3CD-32</b>  | 32A/phase continuous  |       |      |
| <b>DC Current</b> |   |       |      |
| <b>CM-3CD-16</b>  | 16A   | up to | 48V  |
|                   | 8A  | up to | 110V |
|                   | 1.2A  | up to | 220V |
|                   | 0.3A  | up to | 440V |
| <b>CM-3CD-32</b>  | 25A   | up to | 48V  |
|                   | 8A  | up to | 220V |
|                   | 1.2A  | up to | 220V |
|                   | 0.3A  | up to | 440V |

**EUT Mains Output Connectors** Safety Sockets

### Power Requirements

|                                    |  |
|------------------------------------|--|
| <b>Input Voltage</b>               | 90-250VAC, 50/60Hz   |
| <b>Input Current</b>               | 1A at 120VAC; 0.5A at 240VAC                                   |
| <b>Minimum System Requirements</b> | KeyTek EMCP Pro PLUS or any simulator with EFT test capability |

