ECOUPLER 4
Three-Phase Coupling / Decoupling Network for ECOMPACT 4

The new ECOUPLER 4 combines the best of all worlds: Performance, flexibility, economy and the famous Haefely quality and reliability.

The ECOUPLER 4 is an ultra-compact coupling and decoupling network for burst and surge coupling onto three-phase power lines. ECOUPLER 4 can be controlled manually from its front panel or automatically from the PC, using the EMV-Check software enclosed with the ECOMPACT 4. The ECOUPLER 4 is very simple to use, and therefore even first time of infrequent users may operate the unit quickly and easily.

The ECOUPLER 4 conforms to the recent editions of the relevant IEC and EN basic standards for surge and burst testing.

Features
- Two different test impulses
- Combination wave 1.2/50us - 8/20us up to 4.2kV
- Burst 5/50ns up to 4.2kV

Benefits
- Multi-purpose - Two basic immunity tests combined in a single economical package for maximum flexibility.
- Quick and Simple - One touch operation and simple automation of test routines streamlines the test procedure.
- Test Reporting - Included Windows software automatically documents test parameters and results.

Application
Full compliance and Pre-Compliance testing to a wide variety of transient immunity standards:
- IEC 61000-4-4 Edition 1 & Edition 2
- IEC 61000-4-5 Edition 1 & Edition 2

Technical Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control Power</td>
<td>100/115/230V 50/60Hz, 50VA</td>
</tr>
<tr>
<td>EUT Mains voltage</td>
<td>max. 440V rms phase to phase, 250V DC</td>
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<tr>
<td>EUT Current per phase</td>
<td>16A continuous</td>
</tr>
<tr>
<td></td>
<td>25A short time</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>48 x 18 x 44 cm</td>
</tr>
<tr>
<td>Weight</td>
<td>approx. 27kg</td>
</tr>
<tr>
<td>Coupling Capacitors</td>
<td>5 x 33nF</td>
</tr>
<tr>
<td>Coupling modes Burst</td>
<td>Single path testing</td>
</tr>
<tr>
<td></td>
<td>Common mode testing</td>
</tr>
<tr>
<td>Coupling elements for</td>
<td>18uF differential mode</td>
</tr>
<tr>
<td>Surge</td>
<td>9uF + 10 Ohm common mode</td>
</tr>
<tr>
<td>Coupling modes for Surge</td>
<td>all combinations as required by IEC 61000-4-5</td>
</tr>
<tr>
<td>Decoupling inductors</td>
<td>1.5mH</td>
</tr>
</tbody>
</table>

Ordering Information

ECOUPLER 4  Art. No. 249101

Including user manual and all cables required

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Haefely has a policy of continuous product improvement. Therefore we reserve the right to change design and specification without notice.