New version (V3) of DEHNsupport Toolbox software released

Lightning protection experts DEHN have released the latest version of their DEHNsupport Toolbox software. The updated DEHN Risk Tool module allows easier and quicker risk analysis and selection of the necessary protection measures. All existing users of the DEHNsupport Toolbox software can obtain the new version free of charge by updating within the program.

“Are your Risk assessments up to date?”

With the recent withdrawal of BS EN 62305-2:2006 on 31st January 2014, the latest version of the DEHNsupport Toolbox software now fully integrates with the current release of BS EN 62305-2:2012 ensuring your Risk assessments are up to date and in line with the latest version of the standard.

Auxiliary tools such as an integrated questionnaire and a printout for documenting the results were also redesigned and updated to current user needs.

Important changes in the new DEHNsupport Toolbox V3
- Integration of BS EN62305-2:2012 and IEC / EN updates
- Improved graphics and structure of the data entry
- Free upgrade for all existing users of the DEHNsupport Toolbox

- Integration of a new questionnaire
- Improved graphics for the calculated collection areas of buildings
- NEW: Assessment of systems in hazardous areas – IEC versions
- Simplified use of the lightning protection zone concept in calculations

The DEHNsupport Toolbox software has been available since 2007 and provides clear and practical support to planners, lightning protection companies and consultants making it considerably easier to professionally implement a comprehensive lightning protection system. The Toolbox includes different software modules which facilitate planning of lightning protection systems, ranging from risk management to the calculation of the length of air-termination rods, separation distances and the length of earth electrodes.

The new version is available to all existing users of the DEHNsupport Toolbox software at no charge. More detailed information on the software and a free demo version can be found at www.dehn-international.com.

New users can purchase the full DEHNsupport toolbox with a two user license from £170 + VAT.
NEW DEHNcube YPV SCI

Type 2 surge arrester with IP65 protection for PV systems from surge damage

The compact and flexible unit is fast to install

Surge damages are the most common cause of damages submitted to insurance companies on Photovoltaic systems. To protect PV systems from this type of damage, reliable surge protection is required. However, when installing these devices, the electrician frequently faces the problem that no insulating enclosure is available for a DIN rail-mounted device or that the inverter lacks space for the devices.

Solution: DEHNcube YPV SCI

The surge arrester is compact and easy to install due to its spring loaded terminals and can thus be quickly and flexibly used. The DEHNcube YPV SCI with its own IP65 insulated enclosure can be quickly installed in protected outdoor locations.

DEHNcube YPV SCI can be used up to a maximum PV voltage U_{CPV} \leq 1000 V and is available in two versions (1 MPPT and 2 MPPT). The tried and tested SCI technology with integrated d.c. fuse in the short-circuit path allows DEHNcube to be used in PV systems up to ISCPV = 1000 A without additional backup fuse.

<table>
<thead>
<tr>
<th>Type</th>
<th>Dimensions</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCU YPV SCI 1000 1M</td>
<td>94 x 94 x 81 mm</td>
<td>900 910</td>
</tr>
<tr>
<td>DCU YPV SCI 1000 2M</td>
<td>130 x 94 x 81 mm</td>
<td>900 920</td>
</tr>
</tbody>
</table>

- IP65 degree of protection
- Unique SCI technology
- Total discharge current (8/20) I_{8/20} = 40 kA
- Low voltage protection level U_P \leq 4 kV
- Short-circuit withstand capability I_{SCPV} = 1000 A (no additional backup fuse required)
- Maximum cross-sectional area of 6 mm² (solid/flexible)
- Tried and tested Y circuit prevents damage to surge protective devices in case of insulation faults in the generator circuit
- Integrated pressure compensating element prevents water condensation
- Version for 1 MPP and 2 MPP trackers

For more information click here

Connecting cable for DEHNcube

Prewired connecting cables of type AL DCU are available as an accessory for easily and quickly connecting the arrester to the inverter by means of spring-loaded terminals without the use of tools. The cable ends are already stripped and the cable lengths are optimised for typical applications.

The above chart shows the connection of a string to the input of the inverter by means of two AL DCU YPV. AL DCU X PV is ideally suited for connecting two strings to the inverter.
DEHNinfo

DEHN - Stainless Steel Clamps

DEHN is a major supplier into the PV market globally and very well known for the Red line range of surge protection devices as used by the major inverter suppliers.

Another key area in both roof and ground mounted systems is the subject of effective earthing and to achieve this DEHN produces a wide range of stainless steel clamps, thus ensuring no issues with different metals.

These can be used to bond the PV array post and frames without the need for power tools and drilling so removing the cost of drill bits and tapping holes for getting a threaded hole in the frames.

The clamps can be mounted on the flanges of the driven ground piles or in the channels of roof mounted frames and mounting systems.

All meet the standards for environmental and ageing tests for a long trouble free life and high current ratings.

For more information please click here

Concrete Block Holdfasts
DEHN 253015 1kg concrete holdfast

- Suitable for use on any single ply, liquid applied or rubberised membrane roof finish.
- Suitable for use on any built up bituminous felt roof finish.
- No requirement for specialist training, certification or special tools.
- No solvent, glue, acetone spray or any other CoSHH controlled substance (see HSE Doc INDG136).
- No ‘hot-works’ or manual cutting activity required, dramatically reducing the risk to operatives and simplifying the RAMS process (see HSE Doc WL0).
- Available in 8mm and 25x3mm for plain or PVC sheathed conductors.

- No weather related restrictions as they can be installed in the rain and in temperatures as low as 0 degrees celcius.
- The concrete is tested & proven frost resistant to EN1926.
- No drillings, screwing or fixing required reducing time on site and time spent working at height a primary requirement of WAH regulations 2005 (see HSE Doc INDG401).
- Supported by a UV stabalised halogen free polymer frame.
- No direct contact between the concrete block and the membrane roof preventing any damage, preserving the roofing contractors weather proofing guarantee.
- Competitively priced and available ex stock.

For more information please click here
WWW.DEHN.CO.UK new look website

We are proud to announce our new look website which has been designed for ease of use.

The site will be updated on a regular basis with news, products, seminars and much more.

The navigation system helps you find the correct product needed as well as highlighting the outstanding service DEHN provides.

Downloads are available such as product instructions, brochures, catalogues and our unrivalled DEHNsupport toolbox.

You can register for one of our seminars and search for one of our accredited installers.

With contacting DEHN with a click of your mouse the new look website is much more user friendly and we hope you can find the time to look and use, if you do however find any issues please do not hesitate to contact us as we are always in need of feedback to help further our understanding.

DEHN (UK) Ltd would like to announce their 2 new members of staff due to expansion

Sean Passant – the new Business Manager for the East Midlands & North East areas

To contact Sean please click here

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Peter Sozou – the new Business Manager for the London & South areas

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