



## Multi-touch operated IP65 industrial panel PC

New from Phoenix Contact, the DL 1000 series panel PCs combine high performance technology with an attractive design. They feature full IP65 protection, offer high-resolution LED technology, support complex user interfaces, multi-touch capacity and are always close to the action as they can be installed quickly and easily, directly on the machine. Thanks to their fan-less and energy-efficient design, they are the ideal solution for future operating concepts in industrial systems: easy maintenance, custom configuration and robust performance.

Users can decide between single- or multi-touch displays to suit the application at hand. This also accommodates future machine operating modes such as gesture control. The slim 60mm Panel PCs are protected by a robust die-cast aluminium housing and resist dust and water according to protection class IP65. Further, these devices can be used in extreme

temperatures ranging from  $-20^{\circ}\text{C}$  up to  $+55^{\circ}\text{C}$ , which also makes them suitable for refrigeration systems.

The Industrial PCs are highly energy-efficient thanks to the built-in Intel Atom E series – a combination of a highly integrated chipset and a power-saving processor. This processor series' low power consumption is also reflected in the low heat it generates, which means that the units do not require built-in ventilation. An integrated VESA 100 bracket and a rear panel service hatch furthermore provide quick installation and servicing.

Users get a full-fledged, energy-efficient industrial PC equipped with a heavy-duty touch screen that can be used as an operating console for machine-related use in rough industrial environments. There is also a choice of HDD or SSD and Windows Embedded Standard 7 or Windows 7 Pro to store your necessary data and run chosen applications.

[www.phoenixcontact.co.uk](http://www.phoenixcontact.co.uk)

## Vibration damping components

Vibration damping components are a mature and pretty ubiquitous item – often hidden away inside or under engines, motors, fans or similar – so it is exciting to see this high performance range from Elesä. The company has included this complete range of damper and cushioning elements with steel and stainless steel base mounting into its extensive catalogue.

Essentially operating in compression or shear, double ended cylindrical units are often required to carry heavy equipment loads while on the other hand single mounting buffers in pad or conical format are ideal for absorbing energy on impact during equipment operation or perhaps door closure or similar.

Elesa's DVA range is formed in natural rubber based on zinc/steel and AISI 304 stainless mounts with male or female attachments. They have been designed to damp vibrations, shocks and noises produced by moving bodies or vibrating masses which can cause malfunctioning and reduction of the machine lifespan and/or of the adjacent equipment, or even operator damage to health.

The DVA range is available in black natural rubber to standard hardness 55 Shore A, as well as 40 Shore A or 70 Shore A to custom specifications.

[www.elesanow.co.uk](http://www.elesanow.co.uk)



## Control, isolating and safety transformers

Block has introduced a new line of control, isolating and safety isolating transformers, all featuring excellent switch-on behaviour thanks to reduced starting currents. The low inrush current also minimises the risk of disturbance to associated circuits when the supply is switched on. The transformers all offer very good corrosion protection and low noise, thanks to the proprietary Blockimpex vacuum impregnation process, and are easy to cable up through the use of spring loaded terminals, while the screw connection terminals are contacted protected in accordance with UVV BGV A3.

The transformers are offered in three versions: STE transformers with rated input voltage from 230-400V AC, STEU transformers with dual input voltage of 230



and 400V AC, and USTE transformers, with a universal input voltage from 208-600V AC. All offer output voltages from 24-230V AC. Insulation is class B, and maximum ambient temperature is rated at  $40^{\circ}\text{C}$ .

Efficiency is between 94 and 96% depending on the model. The transformers are rated up to 250VA, with a combination footplate for bolted and rail mounting. The robust metal footplate is predrilled with oval slots, further simplifying mounting. The compact design delivers very high performance for the volume.

Applications include use as a control transformer for the electrical isolation of the input and output sides in accordance with VDE 0113, as an isolating transformer for the safe electrical isolation of the input and output sides in accordance with VDE 0100, and as a safety transformer for the safe electrical isolation of input and output sides in applications such as SELV and PELV circuits.

[www.blockuk.co.uk](http://www.blockuk.co.uk)