

DetasUltra: designed, engineered and patented entirely in Italy

On the occasion of the launch of the digital platform SPS Contact Place [contactplace.spsitalia.it] and the contextual program of conferences "Digital Days", the Detas Group presents the new DetasUltra division, characterized by the motto "Solutions around the cable", which identifies a wide range of components dedicated to those who use simple cables and connectors and need to improve their entry into the wall and organize their management in modern machinery and electrical and electronic equipments.

The focal points around which all the Research and Development work has been concentrated are:

- Improvement of reference performances, such as water tightness, strain relief, etc.
- Reduction of the number of models to minimize stock
- Cost reduction
- Possible application in severe environment
- Simplicity and fast assembling

Thus the DES solution, acronym of "Detas Entry System", designed, engineered and patented entirely in Italy.

The range is divided into four main product groups:

1. Cable entry systems for cables with or without connectors
2. Double membrane cable entry plates for cables without connectors
3. Strain relief modules
4. EMC shield clamps and braids for earth connection

The range is completed by other interesting devices.

Giorgio Durin, Managing Director of Detas S.p.A.: "Thanks to the wide experience acquired in the field of cable entry systems

products and the experience of Detas as a production company in the plastic, aluminum and electrical components sectors, we have aimed on the creation of a range of unique and patented products, which allow several important advantages compared with the standard solutions on the market.

Our brand is synonymous of power electronics, i.e. products that can be found in every electrical panel and on the machine. The cables routing and management is, therefore, an absolutely connected and complementary area, which allows us to enrich our offer and serve customers even better".

Technical in-depth Group 1: cable entry systems for simple and terminated cables

DES series frame system with SPP/SPG series cable entry inserts

The DES series divisible frames, together with the openable or perforable grommets SPP/ SPG create an innovative system for the cable routing of cables with connectors.

The frame without internal dividers allows a great variety of configurations inside each frame. Cables with diameters from 2 to 35mm: the openable inserts (grommets) are in fact free to slide on the rails inside the frame. The operator has the opportunity to experiment and choose the best configuration in the design phase, but also directly in the assembly phase.

The system is also suitable for routing corrugated pipes, air ducts, sensors, etc. The DES family products are made of chemically bonded glass

fiber reinforced polypropylene, specifically designed for applications that require high rigidity, mechanical resistance even at high temperatures and resistance to detergents and chemical agents, such as applications in the food sector.

The chemical bond between the polypropylene matrix and the glass fiber reinforcement guarantees absolute safety, preventing the dispersion of particles into the environment and contamination of food.

DES strips use the standard openings of multipole connectors, hence their name. DES 24 for example uses the

opening of the 24-pole connector and, thanks to the multi-hole grommets, allows you to pass up to 40 cables through the wall, in a very small space.

For all available combinations, IP66 protection is achieved, without the use of an external gasket as in conventional solutions. This allows the system to meet the self-extinguishing of the UL94V0 class, which is not guaranteed in systems with external gaskets. The gray and black grommets are also UL94V0 compliant.

All closing screws are in AISI304 stainless steel. UL certified, IP66, NEMA 4X, Ecolab, EN45545-2.

Divisible cable gland DESCLICK snap closure and SPP/SPG inserts

The divisible cable glands of the DESCLICK series, together with the openable or pierceable inserts of the SPP/SPG series, together form an innovative system for

crossing the cabinet walls.

Unlike DES frames, which are closed by screws, DESCLICKs snap together, for even faster assembly!

The cable glands of the DESCLICK series use the standard metric openings M20, 25, 32 and 50.

They are fixed to the wall through a locknut. DESCLICK allows the passage of max 16 cables, with diameters from 2 to 35mm, in a very small space.

The system is also suitable for routing corrugated pipes, air ducts, sensors, etc.

The products of the DESCLICK family are made of polycarbonate, a material that guarantees absolute safety, as it is resistant to detergents and chemicals, as well as non-contaminating food. For all available combinations, IP54 protection is achieved, the

tear-proof seal regulated by EN62444.

The system meets the self-extinguishing of the UL94V0 class for both the frame and the gray and black grommets and withstands installation temperatures from -40 to + 155 °C (static).

IP54, NEMA 12, Ecolab certified.

