

Neumarkt, 24. October 2023

For the greatest possible safety – DEHN expands its portfolio of personal protective equipment against arc faults

Persons working on or in the vicinity of live electrical equipment are, in principle, exposed to hazards associated with electric arc faults. Arc faults are rare but can never be completely ruled out when working on electrical equipment. Reliable protection is therefore required. DEHN provides holistic solutions aimed to minimise the risk of injury and accidents for employees. DEHNcare ArcFit comprises protective clothing against the thermal effects of electric arc faults which offers both protection and comfort. It is robust and meets the required standards for work on electrical installations. The multinorm protective clothing was developed to protect the wearer against the thermal effects of an arc fault – when worn in combination with the necessary accessories – with additional advantages for the customer. DEHN offers a comprehensive collection for women as well as special sizes for men. The new DEHNcare ArcFit HLP 63 comes into its own when working on systems with higher energies. DEHNcare ArcFit is sporty, comfortable, customisable and, above all, safe.

DEHNcare ArcFit is a new collection of multinorm protective clothing developed to protect the wearer in various working conditions, for example, against arc faults, heat and flames and electrostatic charge. This comfortable, sporty and customisable protective clothing is part of the range of personal protective equipment against the thermal effects of an electric fault arc. The outdoor version is also water-repellent and, thanks to its colour, meets high-visibility clothing class 3 as required for outdoor clothing according to EN ISO 20471. Another protective function of DEHNcare ArcFit Outdoor is protection (type 6) against liquid chemicals according to EN 13034. Comfort is another important feature of this protective clothing. After all, a protective overall that is comfortable to wear is also more likely to be used consistently.

The new DEHNcare ArcFit HLP 63 protective clothing offers a high level of protection with arc fault protection class APC 2 - PPE 4 in accordance with NFPA 70E. In particular, it is used for work on equipment where an increased arc energy of 630 kJ (W_{arc} or W_{LBP}) may occur. It is washable and certified according to PPE regulation (EU) 2016/425. Brand new is the arc-fault tested bib overall which can be worn comfortably over normal clothing. Side openings on the trouser legs make the overall quick and easy to put on, even with shoes. The DEHNcare ArcFit HLP 63 PPE against arc faults, consisting of jacket and bib overall, complies with category III according to EU PPE regulation 2016/425 and meets all necessary normative requirements for protective clothing of this kind.

Press release



Additional head, face, hand and foot protection is required to complete the PPE against arc faults. DEHN can provide appropriate products here, too, e.g. shoes and laced boots with an insulating outsole for up to 1,000 V.

The personal protective equipment against the thermal effects of an electric fault arc is an important part of a comprehensive arc fault protection concept. This ensures that people are reliably protected and maximizes the availability of the installation. Technical, organisational and personal measures to protect against injuries caused by arc faults should always be considered as a system. DEHN can support you with this.

With decades of experience, DEHN accompanies customers and partners from industry and trade as well as normative working groups to ensure and further develop safe working on electrical systems. Seminars, solutions and products have been created, on the basis of new findings and the experience of working professionals, which increase knowledge and safety awareness during the planning and implementation of safe work in the electrical environment.

[More information can be found here.](#)

Press contact:

Petra Raab

Trade Media Press Spokesperson

Tel.: +49 9181 906 1426

Mobile: +49 151 151 381 53

petra.raab@dehn.de



DEHN extends its portfolio for personal protective equipment against arc faults.

Photo: DEHN

About DEHN SE

DEHN is a leading, international family-owned electrical engineering company based in Neumarkt, Germany. With its comprehensive portfolio, DEHN addresses the megatrends of our time - from e-mobility and renewables to the protection of critical infrastructure. The company offers solutions and services for lightning and surge protection as well as safety equipment – fields in which, with more than 1,100 patents, DEHN is a leading innovator. The company's products protect people and buildings, systems and telecommunications technology, process industry, as well as photovoltaic systems and wind turbines.

With more than 2,300 employees worldwide, DEHNgroup achieved revenue of around 385 million euros in the fiscal year 2021/2022. Alongside more than 110 years of experience, this constant growth is based on the highest quality standards and a consistent orientation towards customers and markets worldwide.