



Arc fault protection with DEHNcare® personal protective equipment

DEHNcare® personal protective equipment combines maximum protection and unique wearing comfort. It is tested to international standards and consists of a safety helmet for electricians, protective gloves, trousers as well as jacket or coat.

The protective gloves, trousers, jacket and coat are arc-fault-tested according to class 2 (IEC 61482-1-2) and certified according to the EEC directive. The combination of leather and neoprene as well as the high-quality workmanship ensure comfortable fit. The safety helmet for electricians with arc-fault-resistant face shield protects the face and head region from second-degree burns.



DEHNcare® protective gloves (APG / APG L)

- Protection against second-degree skin burns caused by arc faults
- Protective gloves with long gauntlet: enhanced arc fault protection up to the crook of the arm
- Maximum wearing comfort
- Direct exposure incident energy (E_{i0}): Class 2 1050 ... 1390 kJ/m²
- ATPV: 32.8 cal/cm²
- Sizes 8 to 12

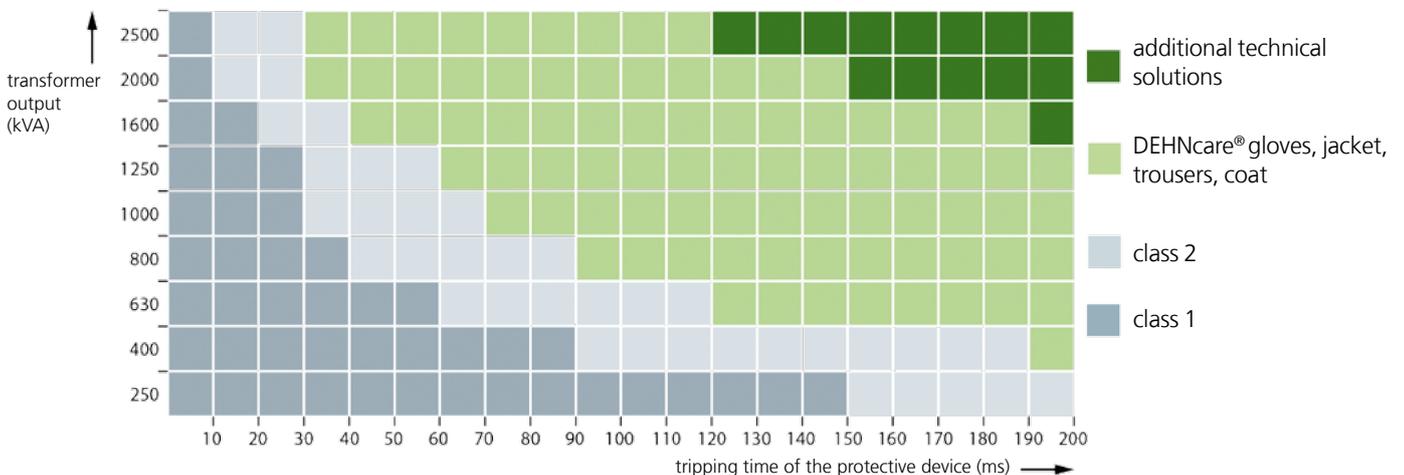


Type	Part No.
APG 8	785 796
APG 9	785 797
APG 10	785 798
APG 11	785 799
APG 12	785 800
APG 8 L	785 808
APG 9 L	785 809
APG 10 L	785 810
APG 11 L	785 811
APG 12 L	785 812

Representative selection of an arc fault personal protective equipment

The diagram shows a sample application of arc fault personal protective equipment depending on the tripping time of the protective device and the transformer output.

Representative selection* with the following parameters:
 $U_{Nn} = 400 \text{ V}$ $u_z = 6 \%$ $k_p = 0.25$
 $a = 300 \text{ mm}$ $k_T = 1$ (small cabinets)



*The representative selection does not replace a risk assessment according to DGUV Information 203-077.



Overview of DEHNcare® personal protective equipment

DEHNcare® jacket (APJ)

- Arc-fault-tested protective jacket
- Flame-retardant zip and hook-and-loop fasteners
- Reinforced stand-up collar
- Reflective strips
- Useful side pockets
- Direct exposure incident energy (E_{i0}): Class 2
1050 ... 1390 kJ/m²
- ATPV: 29.2 cal/cm²
- Sizes 46 to 58



DEHNcare® trousers (APT)

- Arc-fault-tested protective trousers
- Flame-retardant fasteners
- Reflective strips
- Pockets for optional knee pads
- Useful cargo pockets
- Adjustable belt
- Direct exposure incident energy (E_{i0}): Class 2
1050 ... 1390 kJ/m²
- ATPV: 29.2 cal/cm²
- Sizes 46 to 58



DEHNcare® coat (APC)

- Arc-fault-tested protective coat
- Flame-retardant zip and hook-and-loop fasteners
- Reinforced stand-up collar
- Reflective strips
- Useful side pockets
- Direct exposure incident energy (E_{i0}): Class 2
1050 ... 1390 kJ/m²
- ATPV: 33.1 cal/cm²
- Sizes 48/50 to 60/62



Safety helmet for electricians (ESH U) and DEHNcare® arc-fault-resistant face shield (APS / APS T)

Protection of the head and face region, maximum wearing comfort

- Push / rotary knob for adjusting the size
- Plug-in system (helmet, face shield)

Schutzschirm:

- Anti-mist coating
- Natural colour reproduction
- High light transmittance
- Energy absorbing
- Low wear



- ¹⁾ with clip
- ²⁾ with transparent chin protector
- ³⁾ with strip

Storage

Storage bag for helmet, face shield and gloves ⁴⁾

Storage rucksack for the complete DEHNcare® protective equipment ⁵⁾



Type	Part No.
APJ 46	785 769
APJ 48	785 770
APJ 50	785 771
APJ 52	785 772
APJ 54	785 773
APJ 56	785 774
APJ 58	785 775

Type	Part No.
APT 46	785 779
APT 48	785 780
APT 50	785 781
APT 52	785 782
APT 54	785 783
APT 56	785 784
APT 58	785 785

Type	Part No.
APC 48 50	785 755
APC 52 54	785 756
APC 56 58	785 757
APC 60 62	785 758

Type	Part No.
ESH U 1000 S Y, Farbe gelb *	785 730
APS CL2 SC ¹⁾	785 746
APS 12C SC ¹⁾	785 747
APS CL2 FS ³⁾	785 748
APS 12C FS ³⁾	785 749
APS T CL2 SC ^{1) 2)}	785 761
APS T 12C SC ^{1) 2)}	785 762
APS T 20C SC ^{1) 2)}	785 763
APS T CL2 FS ^{2) 3)}	785 764
APS T 12C FS ^{2) 3)}	785 765
APS T 20 C FS ^{2) 3)}	785 766

Type	Part No.
AT 50 30 ⁴⁾	785 442
ARS 65 40 ⁵⁾	785 443

* Other colours available: www.dehn-international.com