





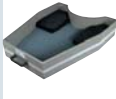

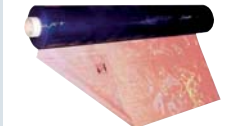
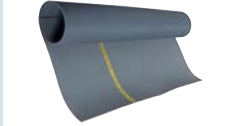





Live Working

Selection Guide

Protective and Auxiliary Equipment

Device	Nominal voltage U_N	Application	Page		
DEHNcare APS	up to 1000 V	Arc-fault-tested face shield suitable for all standard safety helmets for electricians	150		
DEHNcare ESH		Insulating safety helmet for electricians (EN 50365) six-point suspension with sweatband			
DEHNcare APG		Arc-fault-tested protective gloves	152		
PPE – Personal Protective Equipment	up to 1000 V	Safety helmet	154		
		NH fuse puller with sleeve			
		Insulating gloves			
Covering Material	up to 1000 V	Insulated platform	156		
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		Insulating blades Lock-out systems			

DEHNcare APS and ESH**Live Working**

Nominal voltages up to 1000 V

Protective and Auxiliary Equipment



Attaching an earthing and short-circuiting device using the required personal protective equipment

General Information:

Standard	EN 50365 (safety helmet for electricians), EN 166 and EN 177 (face shield), box test in accordance with IEC 61482-1-2, ATPV test in accordance with IEC 61482-1-1
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By pressing the rotary knob the head strap is loosened. If the rotary knob is turned, the head strap is adjusted to the head size of the user.

Prevent injuries – Stay healthy

- High wearing comfort
- High degree of protection and low wear due to energy-absorbing nanoparticles
- Excellent visibility due to anti-mist coating and high light transmittance
- Face shield with clip for easy insertion into the helmet
- Certified according to the requirements of directive 89/686/EEC on personal protective equipment



Use of the protective equipment

Live Working

DEHNcare APS and ESH

Protective and Auxiliary Equipment

Arc-fault-tested Face Shield with Clip and Chin Protector



Fits the slot in the ESH safety helmet for electricians

Type	APS CL2 SC	APS 12C SC
Part No.	785 746	785 747
Nominal voltage up to (U_N)	1000 V	1000 V
Material	Plastic	Plastic
Wall thickness	1.5 mm	1.5 mm
Incident energy after box test	(class 2) 423 kJ / m ²	(class 2) 423 kJ / m ²
ATPV (Arc Thermal Performance Value)	—	12 cal / cm ²
Visible Light Transmittance (VLT)	> 75 %	65 % ... 75 %

Arc-fault-tested Safety Helmet with Strap and Chin Protector



Suitable for all standard safety helmets for electricians

Type	APS CL2 FS	APS 12C FS
Part No.	785 748	785 749
Nominal voltage up to (U_N)	1000 V	1000 V
Material	Plastic	Plastic
Wall thickness	1.5 mm	1.5 mm
Incident energy after box test	(class 2) 423 kJ / m ²	(class 2) 423 kJ / m ²
ATPV (Arc Thermal Performance Value)	—	12 cal / cm ²
Visible Light Transmittance (VLT)	> 75 %	65 % ... 75 %

Safety Helmet for Electricians

- Electrically isolating safety helmet for electricians (EN 50365)
- For nominal voltages up to 1000 V
- With slot for APS ... SC face shield
- Adjustable to head sizes from 51 to 63 cm via push/rotary knob
- Six-point suspension with sweatband
- ABS shell



Type	ESH 1000 S Y	ESH 1000 S W	ESH 1000 S O	ESH 1000 S B	ESH 1000 S R
Part No.	785 740	785 741	785 742	785 743	785 744
Nominal voltage up to (U_N)	1000 V	1000 V	1000 V	1000 V	1000 V
Colour	Yellow	White	Orange	Blue	Red
Material	ABS plastic	ABS plastic	ABS plastic	ABS plastic	ABS plastic

DEHNcare APG

Live Working

Protective gloves

Protective and Auxiliary Equipment



Actuation of an NH fuse puller using protective gloves

Prevent injuries – Stay healthy

- For protection against thermal and mechanical risks
- Excellent fit due to special glove cut
- Good touch sensitivity due to soft leather inner surface of the gloves
- Breathable materials maximise wearing comfort
- Certified according to the requirements of directive 89/686/EEC on personal protective equipment

General Information:

Standard	Box test in accordance with IEC 61482-1-2, ATPV test in accordance with IEC 61482-1-1, DIN EN 388, DIN EN 407
Material (glove palm)	Siliconised calf grain leather
Material (glove back)	100% Kevlar® interlock knit
Material (sewing thread)	Kevlar®

Notes

Article 5 of the German Labour Protection Law requires employers to perform a hazard analysis.

This hazard analysis also involves arc fault protection.

Employers must select and provide approved protective clothing including helmets, face shields and gloves to protect personnel against the hazards of arc faults.

They must also ensure that each employee who is exposed to the hazards of arc faults wears protective clothing.

Protective gloves of type APG are no insulating gloves in accordance with EN/IEC 60903 (DIN VDE 0682 Part 311) for live working.

Live Working

DEHNcare APG

Protective and Auxiliary Equipment

Arc-Fault-Tested protective Gloves

Glove size

Measure the circumference around your knuckles to determine your correct glove size.

Order example

Glove size 10 is recommended for a circumference around your knuckles of 24 cm.

Glove size:	
Circumference around the knuckles	Glove size
20.3 cm	8
22.9 cm	9
25.4 cm	10
27.9 cm	11
30.5 cm	12



Type	APG 8	APG 9	APG 10	APG 11	APG 12
Part No.	785 796	785 797	785 798	785 799	785 800
Incident energy	(class 2) 423 kJ / m ²	(class 2) 423 kJ / m ²	(class 2) 423 kJ / m ²	(class 2) 423 kJ / m ²	(class 2) 423 kJ / m ²
ATPV (Arc Thermal Performance Value)	32.8 cal / cm ²	32.8 cal / cm ²	32.8 cal / cm ²	32.8 cal / cm ²	32.8 cal / cm ²
Total length	310 mm	320 mm	330 mm	340 mm	350 mm
Gauntlet length	100 mm	100 mm	100 mm	100 mm	100 mm
Size	8	9	10	11	12

PPE – Personal Protective Equipment

Live Working

Nominal voltages up to 1000 V

Protective and Auxiliary Equipment



Live working with insulating gloves up to 1000 V

- For working on live parts
- Insulating gloves combine excellent fit and high elasticity with maximum insulation resistance
- Two different models to suit your needs

General Information:

Standard (gloves)	EN 60903 (DIN VDE 0682 Part 311)
Standard (face shield)	DIN EN 166 and additional GS-ET-29 requirements of the trade association
Standard (NH fuse puller)	DIN VDE 0680 Part 4

Maintenance test

The pneumatic glove tester allows to perform maintenance tests in compliance with the relevant standard and even detects minimal damage to the insulating gloves. Gloves should be inspected before each use, therefore the glove tester is an indispensable and very practical safety tool.



Face Shield with Strap



- Arc-fault-tested in accordance with GS-ET-29 test principle
- High Visible Light Transmittance (VLT)
- Coating on both sides prevents misting up, polished edges, 1.5 mm thick
- The face shield can be locked into the use and non-use position
- Suitable for all common safety helmets for electricians

Type	SSC ASH NS
Part No.	785 427
Nominal voltage up to (U_N)	1000 V
Wall thickness	1.5 mm
Size	Universal
Material	Plastic
Incident energy after box test	(class 1) 135 kJ / m ²
Visible Light Transmittance (VLT)	> 75 %

NH Fuse Puller with Sleeve



- NH fuse puller in accordance with DIN VDE 0680 Part 4 with sleeve made of coated cotton fabric
- For actuating fuses of sizes NH00, 1, 2 and 3

Type	NHS AG 00 3 NS
Part No.	785 645
Nominal voltage up to (U_N)	1000 V
Colour	Brown
Material	Coated cotton fabric

Live Working

PPE – Personal Protective Equipment

Protective and Auxiliary Equipment

Insulating Gloves, Category M



For high mechanical stress

Type	IHS 00 M 9 NS	IHS 00 M 10 NS	IHS 0 M 9 NS	IHS 0 M 10 NS
Part No.	785 491	785 492	785 493	785 494
Class	00	00	0	0
Nominal voltage up to (U_N)	500 V	500 V	1000 V	1000 V
Colour	Beige	Beige	Beige	Beige
Wall thickness	0.5 mm	0.5 mm	1.0 mm	1.0 mm
Size	9	10	9	10

Insulating Gloves, Category RC



Resistant to acid, oil, ozone, high mechanical stress and extremely low temperatures
With inner coating and textured gripping surface

Type	IHS 00 RC 9 NS	IHS 00 RC 10 NS
Part No.	785 495	785 496
Class	00	00
Nominal voltage up to (U_N)	500 V	500 V
Colour	Orange	Orange
Wall thickness	0.9 mm	0.9 mm
Size	9	10

Sizes 8 and 11 are available on request.

Accessory for insulating Gloves

Storage Bag, empty

With hook-and-loop fastener and coupling hook

Type	AT IHS NS
Part No.	785 490
Colour	Brown
Dimensions	400 x 180 x 50 mm



Accessory for insulating Gloves

Pneumatic Glove Tester

For performing tests required by the standard

Type	PHSP NS
Part No.	785 497
Colour	Grey



Insulating Equipment for Airport Lighting Systems

Live Working

Nominal voltages up to 17.5 kV / 15 ... 60 Hz

Protective and Auxiliary Equipment



Replacement of a faulty illuminant (airport lighting system) at a runway

General Information:

Standard	Based on DIN VDE 0681 Part 1
Relative air humidity	≤ 90%
Temperature range	– 25 °C ... + 55 °C
Use	Not suitable for use in wet weather conditions
Material (insulated platform)	Glass-fibre reinforced plastic
Material (extension)	Glass-fibre reinforced rod

Application

The insulated platform and the insulating extension are used for e.g. replacing illuminants at airport lighting systems under live conditions. The insulated platform insulates the operating location during live working. The insulating extension is used as insulating intermediate section between the ratchet (with 13 mm square) and operating head (e.g. 17 mm bushing).

- Equipment for live maintenance and repair work on airport lighting systems
- Insulated platform for insulating the operating location
- Circumferential, fluorescent marker tape indicates the maximum permissible height for plants in green spaces and can be used as reflector at night
- Two removable kneeling cushions for comfortable working
- Replaceable skids for easy positioning and transport



The insulating extension is used as insulating intermediate section when attaching the illuminant.

Application:

Insulating extension with operating head and ratchet with torque adjustment.

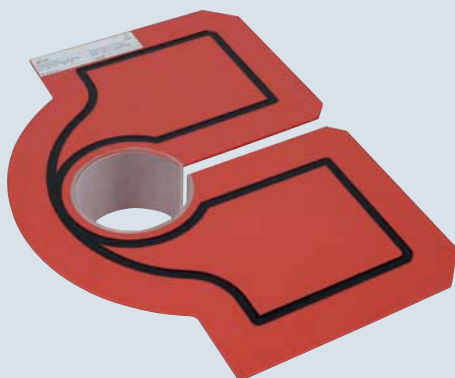


Live Working

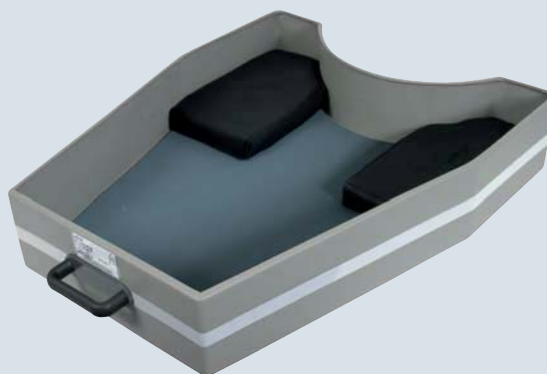
Insulating Equipment for Airport Lighting Systems

Protective and Auxiliary Equipment

Insulating Insert for buried Beacons



IW insulated Platform



For beacons up to a maximum diameter of 225 mm

Type	IE UF LF 150	IE UF LF 200
Part No.	785 440	785 441
Nominal voltage up to (U_N)	1000 V / a.c.; 1500 V / d.c.	1000 V / a.c.; 1500 V / d.c.
Diameter	150 mm	200 mm
Dimensions	600 x 440 mm	600 x 460 mm

Type	IW 17.5 890 650 180
Part No.	785 408
Nominal voltage up to (U_N)	17.5 kV
Dimensions	890 x 650 x 180 mm

Insulating Extension



With 13 mm square and width across flats 17 for torque limiter

Type	IV VK13 SW17 1000
Part No.	785 445
Nominal voltage up to (U_N)	1000 V / a.c.; 1500 V / d.c.
Length	1000 mm

Covering Material and insulated Mats

Live Working

Protective and Auxiliary Equipment



Covering live parts

- Protection against accidental and direct contact with live parts
- For covering adjacent live parts
- Available in different lengths, widths, thicknesses and colours
- Insulated rubber mats for insulating the operating location

General Information:

Standard DIN VDE 0680 Part 1

Insulated Covering Material (Crystal Clear)



Type	ATK 135 50M NS	ATK 135 ..M NS
Part No.	785 465	785 466
Nominal voltage up to (U_N)	1000 V	1000 V
Length	50 m	Any up to 50 m *)
Width	1350 mm	1350 mm
Thickness	0.5 mm	0.5 mm
Colour	Crystal clear	Crystal clear

Insulated Covering Material (Transparent)



Type	ATK 120 25M NS	ATK 120 ..M NS
Part No.	785 467	785 468
Nominal voltage up to (U_N)	1000 V	1000 V
Length	25 m	Any up to 25 m *)
Width	1200 mm	1200 mm
Thickness	1.0 mm	1.0 mm
Colour	Transparent	Transparent

*) Required length to be specified at order!

Live Working

Covering Material and insulated Mats

Protective and Auxiliary Equipment

Insulated Covering Material (Chloroprene Rubber)



For covering insulators

Type	WBN 200 2,5M NS
Part No.	785 646
Nominal voltage up to (U_N)	1000 V
Length	2.5 m
Width	200 mm
Thickness	1.0 mm
Colour	Red

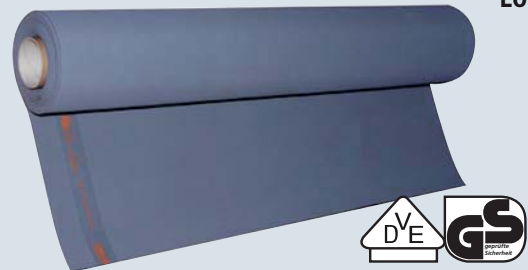
Insulated Covering Material (Chloroprene Rubber)



Flexible at low temperatures

Type	ATN 140 10M NS	ATN 140 ..M NS
Part No.	785 471	785 472
Nominal voltage up to (U_N)	1000 V	1000 V
Length	10 m	Any up to 10 m *)
Width	1400 mm	1400 mm
Thickness	1.0 mm	1.0 mm
Colour	Red	Red

Insulated Rubber Mats for Insulating the Operating Location



Accessory for Covering Material and insulated Mats

Clip

With insulated steel spring

With VDE/GS sign

Type	KK 35 NS
Part No.	785 647
Max. clamping range	35 mm
Dimensions	170 / 110 mm
Material	Plastic



Eye

Consists of two elements

Type	OEK 12 NS
Part No.	785 649
Dimensions	Ø12 / 26 mm
Material	Plastic



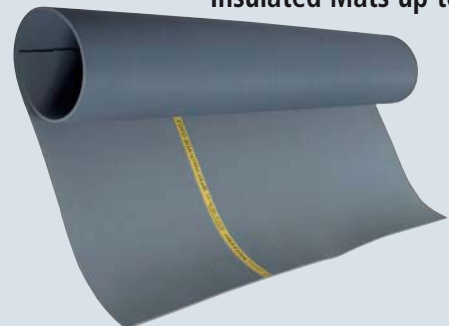
Hook

Type	HK 8 NS
Part No.	785 648
Dimensions	Ø8, 130 / 72 mm
Material	Plastic



Type	IMG SI 1M NS	IMG SI 10M NS	IMG SI ..M NS
Part No.	785 455	785 457	785 456
Nominal voltage up to (U_N)	1000 V	1000 V	1000 V
Length	1 m	10 m	Any up to 10 m *)
Width	1000 mm	1000 mm	1000 mm
Thickness	3.0 mm	3.0 mm	3.0 mm
Colour	Grey	Grey	Grey

Insulated Mats up to 50 kV



For use in electrical control and test rooms, dielectric strength of 50 kV, tested to DIN VDE 0303 Part 21

Type	IMG SAN 1M 10M	IMG SAN 1M ..M
Part No.	785 459	785 458
Nominal voltage up to (U_N)	50 kV	50 kV
Length	10 m	Any up to 10 m *)
Width	1000 mm	1000 mm
Thickness	4.5 mm	4.5 mm
Colour	Grey	Grey

*) Required length to be specified at order!

Lock-out Systems

Live Working

Nominal voltages up to 1000 V

Protective and Auxiliary Equipment



Lock-out system with 3 modules

General Information:

Standard	VBG 125 and DIN 40008
For	Indoor installations

- Protection against reconnection
- Symbol "Nicht schalten" [Do not close the circuit] acc. to German regulations (VBG 125)
- Insulating plug for screw inserts
- Insulating blade for NH fuse holders
- Lock-out systems for circuit breakers



Insulating Plug



For screw inserts

Type	SE E14	SE E18	SE E27 E33
Part No.	785 639	785 650	785 640
Size	E14	E18	E27 and 33
Diameter	20 mm	25 mm	45 mm
Dimensions	Ø20 x 40 mm	Ø25 x 40 mm	Ø45 x 55 mm

Insulating Blade



For NH fuse holders and distribution blocks

Type	SE NH00	SE NH0	SE NH1	SE NH2 3
Part No.	785 641	785 642	785 643	785 644
Size	00	0	1	2 and 3
Blade	38 x 5	38 x 5	38 x 5	38 x 5
Dimensions	80 mm	125 mm	135 mm	150 mm

Lock-out System



For single-pole and multipole circuit breakers with a clamping range of 45 mm

Type	SE REG 1TE	SE REG 2TE	SE REG 3TE
Part No.	785 638	785 652	785 637
Size	1 module	2 modules	3 modules
Dimensions	52 x 17 mm	52 x 34 mm	52 x 51 mm



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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