
Safety regulation

Personal Protective Equipment (PPE)

Designwerk/ISO7010

Read also the information on working with high-voltage components (DW_009SIHHVK).

	WARNING
	Serious injuries, including death, can occur if PPE is not worn Wearing class 2 personal protective equipment is mandatory while working directly on high-voltage components. In addition, long-sleeved professional clothing made of natural fibres (e.g. cotton) must be worn while working directly on high-voltage systems. Polyester or polyamide clothing is not permitted.
	ATTENTION
	Consult a specialist when selecting suitable protective equipment Working with electricity carries particular risks. A specialist must be consulted. The company's internal safety guidelines must also be observed. Personalised basic training for working on HV vehicles is required.
	INFORMATION
	The following list of personal protective equipment is to be understood as a possible selection.

Gloves

	NOTICE
	Insulated gloves • Approved for working with up to 1000 volts • In line with European Standard EN 60903 • Arc flash protection (class 0) in line with European Standard EN 61482-1-2. • Length approx. 400 mm • Check expiry date • Test for tears (air test), replace regularly
	Kevlar gloves Recommended for under the insulated gloves against burns.



Face shield

	NOTICE
	• Complete protection of the entire face and unrestricted field of vision • Shatterproof • Acid- and alkali-resistant • EN 166 8-1B • EN 170 2-1.2 • Class 0 (1500 VDC / 1000 VAC) • GS-ET-29 – Class 1 (4kA)



Protective clothing (at least protection class 2)

	NOTICE
	Reliable protection against sparks, electric arcs and flames
	Long-sleeved jacket or shirt made of flame-retardant protective fabric according to European Standard EN 61482-1-2.
	Disconnecting is not considered live work (SN EN 50110-1). The equipment specified only applies to situations where the risk of an electric arc is high and constant over time. Wearing long-sleeved cotton work clothes, electricians' gloves and suitable face shield to protect against electric shocks and electric arcs is sufficient for disconnection and reconnection.

Safety shoes

 	NOTICE
	• Protective cap • Antistatic insole and oil- and petrol-resistant outsole with non-slip tread pattern • Safety class S3, as per European Standard EN ISO 20345

Falling parts

	NOTICE
	Falling parts
	When loosening the screws, secured parts must be protected against possible falling. Depending on the intensity of the impact, slight to severe injuries may result.
	➤ Wear safety shoes to protect your feet from bruising or breaking.