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TECHNICAL DATA SHEET

INSULATING GLOVES
EN 60903:2003 + AC2:2005
EN 420:2003 + A1:2009

Certificate:	Data of issue:	Catalogue no:	Data Sheet number:	Page: 1/3
UE/428/2020/1437	14.07.2020	S59...	KK-001	

APPLICATION

Insulating gloves are applicable for electrical purposes exclusively as the basic personal protective tool for live working at voltages up to 1 kV or as additional protective measure for live working at voltages exceeding 1 kV.



CHARACTERISTIC

Our gloves of insulating material have ergonomic shape and are made from high quality natural latex using fully automated production line. Each glove is individually numbered and electrically tested using computer controlled testing arrangement. Report of this test is attached to each individual glove package. The ergonomic shape and elasticity of glove makes comfortable and easy manual work even when anti perspiration inner cotton glove and/or protector leather gloves are worn over. Five classes of glove are produced fulfilling different voltage test requirements.

There are:
- **00** (2,5 kV),
- **0** (5 kV),
- **1** (10 kV),
- **2** (20 kV)
- **3** (30 kV)

ELS. gloves are category RC gloves according to EN 60903:2003 + AC2:2005 standard and have special properties increasing their resistance to:

1. **R** – acid, oil and ozone.
   Category R combines the characteristics of categories:
   - **A** – resistant to acid;
   - **H** – resistant to oil;
   - **Z** – resistant to ozone;
2. **C** – resistant to extremely low temperature.

Five sizes of ELS. gloves are produced: 8, 9, 10, 11, 12.

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Technical characteristic of gloves according to EN 60903:2003 + AC2:2005

Type		ELS. 2,5	ELS. 5	ELS. 10	ELS. 20	ELS. 30
Catalogue number		S5941B	S5942B	S5943B	S5944B	S5945B
Class/Category, acc. to EN 60903:2003 + AC2:2005		00/RC	0/RC	1/RC	2/RC	3/RC
Designation of maximum use voltage	AC, V rms	500	1 000	7 500	17 000	26 500
	DC, V	750	1 500	11 250	25 500	39 750
AC tests	Proof voltage kV, rms	2,5	5	10	20	30
	Maximum proof test current, mA, rms, (routine test)	12	12	14	16	18
	Withstand test voltage kV, rms	5	10	20	30	40
Type		**ELS. 2,5**	**ELS. 5**	**ELS.10**	**ELS. 20**	**ELS. 30**
Catalogue number		S5941B	S5942B	S5943B	S5944B	S5945B
DC tests	Proof test voltage Avg kV	4	10	20	30	40
	Withstand test voltage Avg kV,	8	20	40	60	70
Length, mm		360	360	360	360	360
Size		8, 9, 10, 11,12	8, 9, 10, 11,12	8, 9, 10, 11,12	8, 9, 10, 11,12	9,10, 11,12
Cuff		Straigth	Straigth	Straigth	Straigth	Straigth

COMPOSITION

Our insulating gloves are made in whole from natural latex.

REQUIREMENTS

1. Our gloves have been positively certified in accordance to type test procedure of EN 60903:2003 + AC2:2005, these gloves meets the applicable essential health and safety requirements included in Regulation (EU) 2016/425 of the European Parliament and of council of 9 march 2016. This has been confirmed by certificate UE/428/2020/1437 edition 1
2. The manufacturer declares that each individual glove introduced into the market has been positively electrically tested according to EN 60903:2003 + AC2:2005 standard.
3. Our gloves meets the requirements of harmonized standard EN 420:2003 + A1:2009 „*Protective gloves. General requirements and test methods*."

INSTRUCTION IN USE AND LIMITATIONS

1. The use voltage of gloves shall not exceed the maximum use voltage appropriate for given class of gloves.
2. No gloves, not even those held in storage, should be used unless they have been tested within a maximum period of six months.
3. Gloves impaired or leaky shall not be used. In case of any doubts of glove's condition it shall not be used, but shall be controlled according to periodical inspection and electrical retesting requirements. Gloves which become wet in use or by washing shall be dried thoroughly, but not in a manner that will cause the temperature of the gloves to exceed 65 °C and shall be powdered with talcum.
4. Periodic re-testing shall be performed according to requirements of EN 60903:2003 + AC2:2005. For class 00 and class 0 gloves, a check for air leaks and a visual inspection may be considered adequate to detect cracks and damages. However, a routine dielectric test shall be performed for gloves of class 1, 2 and 3. Gloves being used intensively are recommended to be tested within 90 days.

STORAGE

Gloves should be stored in their original container or package at the ambient temperature between +5 °C and +35 °C in dark and dry place, not exposed to direct sunlight, artificial light or other sources of ozone. Care should be taken to ensure that gloves are not compressed or folded.

WARRANTY

The manufacturer provides two years warranty for electro insulating gloves.