Table 3 – Permissible temperature rise of parts of the apparatus

		Normal	Fault
		operating	conditions
	Parts of the apparatus	conditions	
		K	К
a)	Accessible parts		
	Knobs, handles, etc. if		
	– metallic	30	65
	– non-metallic°	50	65
	Enclosures if		
	- metallic	40	65
	<ul> <li>non-metallic b+c</li> </ul>	60	65
b)	1 0		
	Supply cords and wiring insulation with		
	<ul> <li>polyvinyl chloride or synthetic rubber</li> </ul>		
	<ul> <li>not under mechanical stress</li> </ul>	60	100
	<ul> <li>under mechanical stress</li> </ul>	45	100
	- natural rubber	45	100
	Other insulations of:	f)	f)
	- thermoplastic materials <sup>e</sup>		70
	- non-impregnated paper	55	_
	- non-impregnated cardboard	60	80
	- impregnated cotton, silk, paper and textile	70	90
	laminates based on cellulose or textile, bonded with  phonel formeldebyde, melamina formeldebyde, phonel furfural or		
	<ul> <li>phenol-formaldehyde, melamine-formaldehyde, phenol-furfural or polyester</li> </ul>	85	110
	- epoxy	120	150
	- mouldings of	120	150
	phenol-formaldehyde or phenol-furfural, melamine and melamine		
	phenolic compounds with		
	– cellulose fillers	100	130
	– mineral fillers	110	150
	<ul> <li>thermosetting polyester with mineral fillers</li> </ul>	95	150
	<ul> <li>alkyd with mineral fillers</li> </ul>	95	150
	<ul> <li>composite materials of</li> </ul>		
	polyester with glass-fibre reinforcement	95	150
	epoxy with glass-fibre reinforcement	100	150
	<ul> <li>silicone rubber</li> </ul>	145	190
c)	Parts acting as a support or a mechanical barrier including the inside		
	of enclosures <sup>d</sup>		
	Wood and w ood-based materials	60	90
	Thermoplasticmaterials <sup>e</sup>	f)	f)
	Other materials	d)	d)
d) <sup>1</sup>	Winding wires d + g		
	<ul> <li>insulated with</li> </ul>		
	<ul> <li>non-impregnated silk, cotton, etc.</li> </ul>	55	75
	<ul> <li>impregnated silk, cotton, etc.</li> </ul>	70	100
Ī	oleoresinous materials	70	135
	<ul> <li>polyvinyl-formaldehyde or polyurethane resins</li> </ul>	85	150
Ī	<ul> <li>polyester resins</li> </ul>	120	155
	<ul> <li>polyesterimide resins</li> </ul>	145	180
e) (	Other parts		
Ī	These temperature rises apply to parts not covered by items a), b), c)		
	and d): Parts of wood and w OOD-BASED MATERIAL	00	140
	Lithium batteries	60	140
	Resistors and parts of metal, glass, ceramic, etc.	40 h	50 I
Ī	All other parts	No limit	No limit
	, o polito	200	300

For conditions see the following page.