Overview

Devices		Page	Application	Standards	Used in		
					Non-residential buildings	Residential buildings	Industry
Transfer switches							
	**3KC ATC5300 transfer control devices**	12/5	The 3KC ATC5300 transfer control device, equipped with two motor-driven circuit breakers, serves as a transfer system that automatically or manually switches between two power supply systems in low-voltage power distribution applications.	IEC 60947-6-1; DIN VDE 0660-114	✓	✓	✓
Monitoring devices for electrical values							
	**5SV8 residual current monitors**	12/9	To increase system availability and operating safety through continuous monitoring of residual current in electrical systems and signaling if a defined threshold is exceeded.	IEC 62020; EN 62020	✓	--	✓
	**5TT3 voltage relays**	12/11	Monitoring the voltage of emergency lighting in public buildings, short-time failures of 20 ms, for ensuring operational parameters for devices or system components or monitoring the neutral conductor for breaks.	IEC 60255; EN 62020	✓	--	✓
	**5TT3 current relays**	12/15	Monitoring of emergency and signal lighting and motors. All current relays can be short-time overloaded and connected either with direct measurement or through transformers.	IEC 60255	✓	--	✓
	**5TT6 priority switches**	12/17	For a reduction of the connection fee in accordance with German Federal Regulations on Tariffs when used in systems with electric storage heaters where the continuous-flow heaters are switched with priority.	IEC 60669; BTO § 6 Section 4	--	✓	--
	**5TT3 fuse monitors**	12/18	Monitoring of all types of low-voltage fuses. Can be used in asymmetric systems afflicted with harmonics and regenerative feedback motors.	IEC 60255	✓	--	✓

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	**5TT3 phase and phase sequence monitors**	12/19	For the visual signaling of phase failures or phase sequences in three-phase systems. The phase sequence is arbitrary. The device is also suitable for 1, 2 or 3-phase operation.	IEC 60255	--	--	✓
	**5TT3 insulation monitors for industrial applications**	12/20	To increase system availability and operating safety through continuous monitoring of the isolation resistance in non-grounded direct voltage or AC voltage systems.	IEC 60255; IEC 61557	--	--	✓
	**7LQ3 monitors for medical premises**	12/21	For the insulation monitoring of a medical IT system or the load current monitoring of an IT system transformer for a non-permissible temperature rise. Monitoring of the voltage supply with automatic switchover.	EN 61557-8; IEC 61557-8; DIN VDE 0100-710; IEC 60364-7-710	✓	--	--
Monitoring devices for plants and devices							
	**5TT3 fault signaling units**	12/28	Evaluation and display of fault alarms and alarm signals for monitoring industrial plants and control systems. With 4 inputs and connections for 39 expansion fault signaling units.	IEC 60255	✓	--	✓
	**5TT5 EMERGENCY STOP modules**	12/29	For EMERGENCY-STOP switching in accordance with the Directive 98/37/EC on Safety of Machines. Safe types of circuits for machines, plants or test stations in industrial, commercial and private enterprise applications.	According to the Machines Directive 98/37/EC; EN 954-1	✓	--	✓
	**5TT3 level relays**	12/30	Control of liquid levels in containers with 3 electrode connections for 1-step and 2-step level control. High immunity to interference of the measuring circuit isolated from the system.	IEC 60255, DIN VDE 0435	✓	--	✓
	**5TT3 line circuit relays**	12/32	For disconnecting the voltage or field circuit of unused lines when loads are disabled.	IEC 60255, DIN VDE 0435	--	✓	--

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	**7LQ2 dusk switches**	12/33	For demand-oriented switching of lighting installations for shop windows or paths in order to cut energy costs	EN 60730	✓	✓	--
	**7LQ2 temperature controllers**	12/35	For controlling and limiting temperatures. Three adjustable ranges from - 30 °C to + 100 °C. For PT 100 measuring element + 2 °C to + 400 °C.	EN 60730	✓	✓	✓
	**5TT3 p.f. monitors**	12/37	For the monitoring of asynchronous motors for underload and no-load operation, e .g. fan monitoring in the case of V-belt breakage, filter blockages, pump monitoring in the event of valve closure or dry runs.	IEC 60255, IEC 61557	--	--	✓
	**5TT3 motor protection relays**	12/38	For the prevention of thermal motor overloads, e. g. due to high switching frequency, single-phasing, disabled cooling or excessive ambient temperatures. With detection of wire breaks in the sensor circuit.	IEC 60255, DIN VDE 0435	--	--	✓
Charging infrastructure for electric vehicles							
	**CM-100 / 230 charging controller acc. to IEC 61851**	12/39	The CM-100 charging controller enables charging in charging mode 3 in accordance with the IEC standard. It communicates with the electric vehicle, controls and monitors the switching devices and identifies the charging cable. The charging controller thus ensures maximum safety for the charging operation. Communication with the electrical vehicle via the charging cable is implemented via a pulse-width modulated signal acc. to IEC 61851-1 charging mode 3.	IEC 61851-1 IEC 61851-22	✓	✓	✓